CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, September 20, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Sept.				
20	Water pipe tunnel	Chicago, Ill.	P. & S.	9-13
*22	Dredging	Mobile, Ala.	S.	8-23
*22	Elec. subway system	West Point, N. Y.	P., S. & B.S.	8-23
*24	Boiler	Wilmington, Del.	P., S. & B. S.	8-30
*27	Rock removal	New London, Ct.	S.	8-30
29	Dredging	Boston, Mass.	S.	9-13
Oct.				
*1	Ditches	Portland, Ore.	P., S. & B. S.	8- 9
*1	Lock	Donaldsonville, La.	P. & S.	7- 5
*1	Sewers	Plainfield, N. J.	P. & S.	9-13
6	Dredging, etc.	Philadelphia, Pa.	S.	9-20
*15	Steel wharf sheds, railways	Manila, P. I.	P. & S.	7-19

*Work advertised in Engineering News.

Oct. 1. Construct. Engr., Washington, D. C. ..... Aug. 30

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Lighting	Anniston, Ala.		Aug. 23
Sept. 22	Underground transmission line	Albany		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 24	Lighting system	Sacket Harbor, N. Y.		Sept. 6
	Advertised, Eng. News, Sept. 6 and 13.			
Sept. 25	Fixtures	Fort Stevens, Ore.		Sept. 20
Sept. 27	Light and power plant	Akron, Ohio		Sept. 20
Sept. 29	Electric light plant	Malvern, Ark.		Aug. 23
Oct. 1	Light plant	Mobile, Ala.		Aug. 30
Oct. 2	Apparatus	Fargo, N. Dak.		Sept. 20
Oct. 10	Light plant	Manassas, Va.		Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.			
Oct. 11	Equipment	Washington, D. C.		Sept. 6

BRIDGES.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Bridge	Perry, Ohio		Aug. 30
Sept. 22	Arch	Euclid, Ohio		Sept. 6
Sept. 21	Concrete bridge	Reading, Pa.		Sept. 13
	Advertised, Eng. News, Sept. 13.			
Sept. 24	Steel bridge	Everett, Wash.		Sept. 13
Sept. 24	Steel bridge	Washington, D. C.		Sept. 13
Sept. 24	Concrete bridge	Delavan, Ill.		Sept. 20
Sept. 24	Bridge reconstruction	Boston, Mass.		Sept. 20
Sept. 25	Steel bridge	Gordon, Ont.		Sept. 20
Sept. 25	Bridge	Greensboro, Md.		Sept. 6
	Advertised, Eng. News, Sept. 6 and 13.			
Sept. 25	Bridge	Newark, Ohio		Sept. 6
Oct. 1	Steel bridge	York, Pa.		Sept. 20
Oct. 1	Steel bridge	Belzona, Miss.		Sept. 20
Oct. 1	Bridges	Wichita, Kan.		Sept. 20
Oct. 1	Steel bridge	Crooksville, Ohio		Sept. 20
Oct. 2	Bridge	Rome, Ga.		Sept. 6
Oct. 2	Scherzer lift bridge	Peoria, Ill.		Sept. 13
Oct. 3	Approach	Elk City, Ore.		Sept. 6
Oct. 3	Bridges, etc.	Bradford, R. I.		Aug. 23
	Advertised, Eng. News, Aug. 23 and 30.			
Oct. 4	Swing bridges	Dayton, Ohio		Sept. 20
Oct. 4	Bascule bridge	La Porte, Ind.		Sept. 20
Oct. 5	Steel bridges	Sandusky, Ohio		Sept. 20
Oct. 8	Revolving bridge	Salem, Mass.		Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.			
Oct. 8	Bridge	Daggett, Cal.		Aug. 23
Oct. 10	Concrete, steel bridge	Winchester, Va.		Sept. 20
Oct. 25	Bridge	Atlanta, Ga.		Sept. 13

BUILDINGS.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Fireproof doors	Washington, D. C.		Aug. 16
	Advertised, Eng. News, Aug. 16 to Sept. 6.			
Sept. 20	Repairs	Chicago, Ill.		Aug. 30
Sept. 22	Elec. subway system	West Point, N. Y.		Aug. 23
	Advertised, Eng. News, Aug. 23 to Sept. 13.			
Sept. 24	Church	New Orleans, La.		Aug. 30
Sept. 24	Barracks	Ft. Totten, N. Y.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 24	Electric fixtures	Vancouver Bar., Wash.		Sept. 6
Sept. 25	Steel cells	Atlantic City, N. J.		Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.			
Sept. 25	Pavilion	New York, N. Y.		Sept. 13
Sept. 25	Court-house	Warrenton, N. C.		Sept. 20
Sept. 26	Machine shop	New York, N. Y.		Sept. 13
Sept. 27	Hotel	Mobile, Ala.		Sept. 20
Sept. 27	Shelter house	New York, N. Y.		Sept. 20
Oct. 1	Public bath	Albany, N. Y.		Sept. 20
Oct. 1	Store	Washington, D. C.		Sept. 20
Oct. 2	Officers' quarters	Sacket Harbor, N. Y.		Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.			
Oct. 2	Post-office extension	Toledo, Ohio		Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.			
Oct. 9	Library	Oberlin, Ohio		Sept. 20
Oct. 16	Employees' quarters	Grand Junct'n, Colo.		Sept. 20
Oct. 23	Mess hall	Washington, D. C.		Sept. 13
	Advertised, Eng. News, Sept. 13 to Oct. 18.			

WATER SUPPLY AND IRRIGATION.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Tunnel, etc.	Chicago, Ill.		Sept. 13
Sept. 21	Steel water tank	Carman, Man.		Sept. 13
Sept. 22	Water pipe	Preston, Ont.		Sept. 20
Sept. 24	Water-works	Roumania (Foreign)		Sept. 13
Sept. 26	Water mains	New York, N. Y.		Sept. 13
Sept. 27	Pumping plant	New York, N. Y.		Sept. 20
Sept. 28	Cast-iron pipe	Cincinnati, Ohio		Sept. 13
Sept. 28	Filtration machines	California, Ohio		Aug. 23
Sept. 28	Pumping plant	Garden City, Kans.		Aug. 2
	Advertised, Eng. News, Aug. 2 to Sept. 6.			
Sept. 28	Wells, etc.	Garden City, Kan.		Sept. 6
Sept. 28	Laying pipe	Cincinnati, Ohio		Sept. 6
Oct. 1	Irrigation canal	Wenatchee, Wash.		Sept. 13
Oct. 1	Pump	Cohoes, N. Y.		Sept. 13
	Advertised, Eng. News, Sept. 13 to 27.			
Oct. 2	Gravity system	Edinburg, Va.		Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.			
Oct. 4	Water-works, etc.	Frederick, Okla.		Sept. 20
Oct. 6	Canals, reservoirs, etc.	Chouteau, Mont.		Sept. 20
Oct. 8	Water-works system	Atoka, Ind. T.		Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.			
Oct. 8	Water-works	Lockport, N. Y.		Aug. 23
Oct. 10	Pump-house	Fort Snelling, Minn.		Sept. 20
Oct. 14	Pumping engine	Henderson, Ky.		Sept. 20

SEWERAGE.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Sewers	Lake City, S. C.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 13.			
Sept. 20	Storm water sewers	Lake City, S. C.		Sept. 13
Sept. 22	Sewers	Susanville, Cal.		Sept. 13
Sept. 22	Sewers	St. Johnsville, N. Y.		Sept. 6
	Advertised, Eng. News, Sept. 6 and 13.			
Sept. 24	Clay pipe sewers	Ottumwa, Iowa		Sept. 20
Sept. 25	Sewers	Brackenridge, Pa.		Sept. 20
Sept. 27	Sewers	Brainerd, Minn.		Aug. 9
Sept. 28	Septic tank & sludge bed	Des Moines, Ia.		Sept. 20
Sept. 29	Sewer	Des Moines, Iowa		Sept. 20
Sept. 29	Drain	Brownsburg, Ind.		Sept. 20
Oct. 1	Sewer pipe	Mt. Vernon, Ill.		Sept. 20
Oct. 1	Storm sewers	Montgomery, Ala.		Sept. 20
Oct. 1	Sewers	Narberth, Pa.		Sept. 6
	Advertised, Eng. News, Sept. 6 to 20.			
Oct. 2	Sewers	Washington, D. C.		Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.			
Oct. 3	Sewer	St. Marys, Ohio		Sept. 13
	Advertised, Eng. News, Sept. 13.			
Oct. 3	Sewers	Fayetteville, N. C.		Sept. 13
	Advertised, Eng. News, Sept. 13 to 27.			
Oct. 3	Testing plant and sewers	Baltimore, Md.		Sept. 20
	Advertised, Eng. News, Sept. 20.			
Oct. 8	Public drain	Brookville, Ind.		Sept. 20
Oct. 8	Sewers	Omaha, Neb.		Sept. 20
	Advertised, Eng. News, Sept. 20 to Oct. 4.			

STREETS AND ROADS.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Paving	St. Boniface, Man.		Sept. 13
Sept. 20	Paving	New York, N. Y.		Sept. 13
Sept. 20	Rock road	Evansville, Ind.		Sept. 13
Sept. 20	Sidewalks	Cheyenne, Wyo.		Sept. 13
Sept. 20	Grading	Texarkana, Ark.		Sept. 13
Sept. 20	Paving	Portsmouth, Va.		Sept. 6
	Advertised, Eng. News, Sept. 6 and 13.			
Sept. 20	Gravel road	Newport, Ind.		Sept. 6
Sept. 21	Macadam	Flemington, N. J.		Sept. 6
Sept. 21	Paving	Des Moines, Iowa		Sept. 13
Sept. 21	Curbing	Denver, Colo.		Sept. 20
Sept. 21	Macadam road	Elyria, Ohio		Sept. 20
Sept. 22	Paving	Knoxville, Tenn.		Sept. 20
Sept. 22	Street improvement	Fond du Lac, Wis.		Sept. 20
Sept. 22	Grading	Oxford, Conn.		Sept. 20
Sept. 22	Asphalt binder	Washington, D. C.		Sept. 13
	Advertised, Eng. News, Sept. 13.			
Sept. 22	Paving	Waycross, Ga.		Sept. 6
Sept. 24	Macadam	Chippewa Falls, Wis.		Sept. 6
Sept. 24	Paving	Amityville, N. Y.		Sept. 13
	Advertised, Eng. News, Sept. 13.			
Sept. 24	Paving	New Orleans, La.		Sept. 20
Sept. 25	Paving	Cincinnati, Ohio		Sept. 6
Sept. 26	Paving	Fond du Lac, Wis.		Sept. 13
Sept. 26	Sidewalks	New York, N. Y.		Sept. 13
Sept. 27	Stone steps	New York, N. Y.		Sept. 20
Sept. 27	Grading	New York, N. Y.		Sept. 20
Sept. 28	Asphalt Paving	Des Moines, Iowa		Sept. 20
Sept. 28	Paving	New York, N. Y.		Sept. 20
Sept. 28	Paving	Altoona, Pa.		Sept. 20
Sept. 28	Paving	Cincinnati, Ohio		Sept. 20
Sept. 29	Grading	Terre Haute, Ind.		Sept. 13
Sept. 29	Cement walks	Guelph, Ont.		Sept. 13
Oct. 1	Macadam paving	Jacksonville, Fla.		Sept. 13
Oct. 1	Pike road	Clinton, Tenn.		Sept. 13
Oct. 1	Paving	Egmont, Fla.		Sept. 13
Oct. 1	Paving	Jacksonville, Fla.		Sept. 13
Oct. 1	Gravel road	Valparaiso, Ind.		Sept. 20
Oct. 1	Bluestone flagging	Westfield, N. J.		Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.			
Oct. 1	Grading	Stevenson, Wash.		Sept. 20
Oct. 1	Roads	Salem, Ind.		Sept. 20
Oct. 1	Gravel roads	Rockville, Ind.		Sept. 20
Oct. 1	Paving	Montgomery, Ala.		Sept. 20
Oct. 1	Sidewalk	Chase City, Va.		Sept. 20
Oct. 2	Roads	Bedford, Ind.		Sept. 13
Oct. 3	Gravel roads	Bloomington, Ind.		Sept. 20
Oct. 5	Macadam roads	Decatur, Ind.		Sept. 20
Oct. 8	Macadam road	Cincinnati, Ohio		Sept. 20
Oct. 8	Driveway	Chicago, Ill.		Sept. 20
Oct. 10	Macadam road	Camden, N. J.		Sept. 20
	Advertised, Eng. News, Sept. 20 to Oct. 4.			

MISCELLANEOUS CONTRACTS.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Tile drain	Pontiac, Ill.		Sept. 6
Sept. 20	Port Uruguay (Foreign)			Sept. 13
Sept. 20	Concourse entrance	New York, N. Y.		Sept. 20
Sept. 21	Ditch	Hillview, Ill.		Sept. 13
Sept. 22	Dredging	Mobile, Ala.		Aug. 23
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 22	Elec. subway system	West Point, N. Y.		Aug. 23
	Advertised, Eng. News, Aug. 23 to Sept. 13.			
Sept. 24	Jetty and dike	Wilmington, Del.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 24	Boiler	Wilmington, Del.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 24	Dredging, rock removal	New York, N.Y.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 24	Fire hose	Winnipeg, Man.		Sept. 6
Sept. 25	Naval supplies	Washington, D. C.		Sept. 6
Sept. 25	Steel dredge, 10 pontoons	Cincinnati, O.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 25	Mail chutes	Chicago, Ill.		Sept. 13
Sept. 26	River dredging	Chicago, Ill.		July 19
Sept. 26	Dredging plant	Chicago, Ill.		July 19
Sept. 27	Rock removal	New London, Conn.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 28	Portland cement	Garden City, Kans.		Aug. 9
	Advertised, Eng. News, Aug. 9 to 30.			
Sept. 28	Dredging	New York, N. Y.		Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.			
Sept. 28	Wharf	Jersey Cove, N. S.		Sept. 20
Sept. 28	Concrete wall	Skaneateles, N. Y.		Sept. 20
Sept. 28	Railroad supplies	Panama		Sept. 20
Sept. 29	Dredging	Boston, Mass.		Sept. 13
Sept. 29	Railway, sleepers	Colchester Coal & Ry. Co.		Sept. 20
Sept. 30	Drainage	Ft. Snelling, Minn.		Sept. 13
Oct. 1	Irrigation canal	Wenatchee, Wash.		Sept. 13
Oct. 1	Ditches	Portland, Ore.		Aug. 9
	Advertised, Eng. News, Aug. 9 to 30.			
Oct. 1	Lock	Donaldsonville, La.		July 5
	Advertised, Eng. News, July 5 to Sept. 27.			
Oct. 2	Railway	Temiskaming & Northern Ontario		Sept. 20
Oct. 2	Repairing sea-wall	Newport, R. I.		Sept. 20
Oct. 2	Naval supplies	Washington, D. C.		Sept. 20
Oct. 2	Engineering supplies	Panama		Sept. 20
Oct. 3	Coal-handling plant	San Quentin, Cal.		Aug. 9
	Advertised, Eng. News, Aug. 9 and 16.			
Oct. 6	Dredging, etc.	Philadelphia, Pa.		Sept. 20
Oct. 9	Naval supplies	Washington, D. C.		Sept. 20
Oct. 10	Drainage	Cisco, Ill.		Sept. 20
	Advertised, Eng. News, Sept. 20.			
Oct. 10	Railway	Belgium (Foreign)		Aug. 30
Oct. 11	Dredging	New York, N. Y.		Sept. 13
	Advertised, Eng. News, Sept. 13 to Oct. 4.			
Oct. 12	Wharf, dredging, etc.	Ft. Hunt, Va.		Sept. 20
Oct. 15	Drains	Rio Grande do Sul, Brazil (Forn.)		May 31
Oct. 15	Steel sheds, Rys.	Manila, P. I.		July 19
	Advertised, Eng. News, July 19 to Aug. 30.			
Oct. 16	Dam, canal, excav.	Lascruces, N. Mex.		Sept. 6
	Advertised, Eng. News, Sept. 6 to Oct. 11.			
Nov. 6	Railway	Spain (Foreign)		Aug. 30
Mar. 18 ('07)	Tunnel	New Zealand (Foreign)		Sept. 13
	Advertised, Eng. News, Sept. 13 to Mar. 14.			
Sept. 20	Chinese laborers	Panama		Aug. 23

CIVIL SERVICE EXAMINATIONS.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 20	Pitometer Expert	Chicago, Ill.		Aug. 30
Sept. 26	Enginemen	Washington, D. C.		Sept. 20
Sept. 26	Asst. Elec., Engineman	Wash., D. C.		Sept. 20
Sept. 26	Steam-Elec. Engr.	Washington, D. C.		Sept. 20
Sept. 26	Analytical Chemist	Washington, D. C.		Sept. 20
Sept. 26	Scientific Asst.	Washington, D. C.		Sept. 20
Oct. 1	Construct. Engr.	Washington, D. C.		Aug. 30
Oct. 17	Scientific Asst.	Washington, D. C.		Sept. 20

REGARDING NEW PROJECTS

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

ADDRESS THE

Construction News Department

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTIC COAST LINE.—The PENN BRIDGE CO., of Beaver Falls, Pa., has received the contract for the Atlantic Coast Line's new yards here.

BROWNSVILLE, HIDALGO & NORTHERN.—E. B. Gore, Ch. Engr., Brownsville, Tex., advises us that contracts probably will be let soon for building the proposed line from Brazos Santiago to Hidalgo, via Brownsville, a distance of 84 miles. Surveys have been run and right-of-way nearly all secured. Capital is obtained. There will be heavy grubbing, but light earthwork in construction of the road. It was recently announced that this company would also build a line about 140 miles long from Brownsville to Corpus Christi, Tex., and from Corpus Christi to Houston, 300 miles. Uriah Lott is Pres., at Brownsville.

CANADIAN NORTHERN.—An extension from Nominingue, Que., to Original Rapids, Que., and thence in the direction of Quinze Falls, is under consideration. M. H. McLeod is Ch. Engr., at Winnipeg, Man.

CANADIAN PACIFIC.—This company's new line from Victoria Harbour, Ont., will pass a few miles north of Peterborough and connect with the main line between that town and Havelock, Ont. Easier grades and a shorter line can be obtained further north. The construction of the road, including terminals and elevators, will cost about $5,000,000.

CAROLINA MINERAL R. R.—We are officially advised that the first section of this line, between the Seaboard Air Line Ry. and the Colussus Gold Mining & Milling Co., is already graded and probably will be in operation by next November. Contracts for remainder of line will be let next year. The railroad will be about 40 miles long, extending from Lancaster, S. C., to Charlotte, N. C. Surveys are partly made and right-of-way partly secured. B. Frank Keller, of Lancaster, is Pres. A. J. Moore, of Waxhaw, N. C., is Ch. Engr. Notice of incorporation appeared in issue of Aug. 23.

CHICAGO & ILLINOIS WESTERN.—O. P. Chamberlin, Ch. Engr., 184 State St., Chicago, Ill., advises us that an extension will be built to Joliet, via Des Plaines. Company now operates 17 miles of line and proposes to build 37 miles additional. Surveys are made and right-of-way obtained. Connections are now made as follows: At Chicago—With the Lake Shore & Michigan Southern Ry.; New York, Chicago & St. Louis R. R.; Pittsburg, Cincinnati, Chicago & St. Louis Ry.; Pere Marquette R. R.; Chicago & Northwestern Ry.; Chicago Terminal Transfer R. R.; Chicago, Rock Island & Pacific Ry.; Baltimore & Ohio R. R., and the Illinois Northern Ry. At Hawthorne—With the Wisconsin Central Ry.; Illinois Central R. R.; Belt Railway Co. of Chicago, and the Chicago, Burlington & Quincy Ry. At McCook—With the Indiana Harbor R. R. and the Atchison, Topeka & Santa Fe Ry. At Gary—With the Atchison, Topeka & Santa Fe Ry.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC.—The HARRIMAN CONSTRUCTION CO., of Harriman, Tenn., has contract to build double-track for 2½ miles from Harriman Junction to Emory Gap and around Tunnel 26. George W. Goodrich and James E. Rodes compose the company.

COLCHESTER COAL & RY. CO.—This company, with headquarters at Parrsboro, N. S., will receive bids until Sept. 29 for construction of four miles of railway from De Bert station to De Bert coal mines, and also for 10,400 sleepers.

CULLMAN & SOUTHWESTERN.—Company has been chartered in Alabama to build a line through Cullman, Jefferson and Walker Counties to connect the Louisville & Nashville with the Frisco and the Southern Rys. It will run from Cullman to Bryan and will traverse the northwestern mineral district. The incorporators are William Mode Cook, Alfred W. Lilliendahl and G. H. Ten Broeck.

CYNTHIANA & CLAYSVILLE.—E. E. Barton, Ch. Engr., Falmouth, Ky., writes us that survey is completed for this line from Cynthiana to Claysville, Ky., 13 miles in length, and that company has made no further progress, except to secure right-of-way. Plans and further action will be taken probably this fall. J. T. Simon is Pres., at Cynthiana.

DEEPWATER RY.—H. Fernstrom, Ch. Engr., Norfolk, Va., states that a survey is being made on the south side of the Kanawha River by this company, but that no action has been taken toward construction.

DENVER & RIO GRANDE.—Contracts are to be let for double-tracking the line between Adobe and Canon City, a distance of 12 miles. Another contract will be let to double-track the road from Adobe east to Swallows, a distance of 13 miles. E. T. Yard is Ch. Engr., at Denver.

EAGLE VALLEY.—David Eccles, Pres. of the Sumpter Valley Ry. and the Ogden & Northwestern R. R., at Ogden, Utah, announces that he will take over the Eagle Valley Railway project, promoted by W. L. Vinson, and build the road from Baker City, Ore., east to the Snake River, 75 miles. Baker City is reported to be raising a bonus of $100,000 in aid of the road.

HIWANNEE & TOMBIGBEE.—Company has applied for a charter to build a branch of the Mobile & Ohio R. R. from Hiwannee, Miss., to Womack Hill, about 35 miles, to develop timber lands. Among the incorporators are E. L. Russell, Vice-Pres. and Gen. Counsel of the Mobile & Ohio, at Mobile, Ala., and Adolph Hiller, of Youngstown, Ohio.

INTERCOLONIAL.—Hon. H. R. Emerson, Minister of Rys. and Canals, Ottawa, Ont., announces plans for double-tracking of the I. C. R. eastward from St. John, N. B.

KINGSTON, SMITH'S FALLS & OTTAWA RY.—The city of Ottawa, Ont., is to have a new line of railway direct to Toronto, via Kingston. This will be accomplished by the construction of the Kingston, Smith's Falls & Ottawa Ry., for which the city of Ottawa has voted a subsidy of $50,000, and the other towns along the route smaller sums. The K., S. F. & O. Ry. is backed by the Grand Trunk, which agrees to lease the road on completion.

LOUISVILLE & NASHVILLE.—W. J. OLIVER, of Knoxville, Tenn., has been awarded a $1,500,000 contract by this company. He will build 25 miles of road near Birmingham, between Hardy and Grace, Ala. Much of it is heavy work. A double-track tunnel is to be constructed.

NEW ORLEANS, NATCHEZ & PACIFIC.—The recently incorporated New Orleans, Natchez & Pacific R. R. Co., capitalized at $6,000,000, has elected officers as follows: A. B. Wheeler, New Orleans, Pres.; W. J. Poitevant, New Orleans, First Vice-Pres.; R. F. Larned, Natchez, Treas.; C. E. Moritz, Natchez, Secy. The company will build a trunk line from New Orleans to Natchez, reducing the mileage to 160 miles. The line may be extended to Kansas City.

NEW YORK CENTRAL & HUDSON RIVER.—The State Board of Railroad Commissioners have determined upon the elimination of the grade crossings of the New York Central in Yonkers, N. Y. The crossings to be abolished are at Pier St., Fernbrook St., Dock St., Wells Ave., Ashburton Ave., Main St., Vark St. and Babcock Pl. The board further determined that the one-fourth share of the cost, which the state should pay, shall not exceed $138,000. The New York Central has stipulated that the city of Yonkers shall not pay more than this sum. The grade crossing appropriation of this year was $250,000. In addition to the Yonkers cases, a large number of other eliminations have been ordered, and the balance of the appropriation is being distributed throughout the state. In connection with the cost of eliminating grade crossings on that part of the New York Central running into New York City that is to be electrified, which, in many cases, necessitates a rearrangement of the roadbed, the Attorney-General has given an opinion that neither the state nor the locality shall be assessed more toward the expense of changing such grade crossing than if the line of the road had not been changed or the number of tracks increased.

Incorporated in Virginia to build a railroad from a point in Frederick County across Clarke, Loudoun, Fairfax and Alexandria Counties to a point opposite Washington or Georgetown, D. C., a distance of 100 miles. Capital stock, $100,000. Simon C. Martin, of Sparrows Point, Va., is Pres.; William D. Allen is Vice-Pres., and G. M. Armstrong is Secy. and Treas. Principal office, Berryville, Va.

PITTSBURG, BINGHAMTON & EASTERN.—Papers were filed in the State Department at Harrisburg, Pa., on Sept. 14, merging the Susquehanna Central, Tioga & Clinton and the Pittsburg, Binghamton & Eastern railway companies under the name of the Pittsburg, Binghamton & Eastern Ry. Co., and providing for the construction and operation of a line in Clearfield, Clinton, Centre, Lycoming, Elk, Tioga and Bradford Counties, in Pennsylvania, starting at Hyner, Clearfield County, and extending to Binghamton, N. Y. The capital stock of the company is $20,000,000. The papers name F. A. Sawyer, of Canton, Pa., as Pres.

PORTO RICO RYS. CO., LTD.—This company has been incorporated at Halifax, N. S. Capital, $3,000,000. Promoters, W. M. Tilley, R. H. Parmenter, A. J. Thompson, and others, all of Toronto, Ont.

SACRAMENTO VALLEY & EASTERN.—We are officially advised that this company will build a 16-mile line up Pitt River to Squaw Creek, northeast to mines of the Bully Hill Copper Mining & Smelting Co., from a point near Kennett, Cal. Work will be principally of a rocky nature with heavy sidehill cutting. The motive power will be steam and possibly electricity. D. M. Riordan, 42 Broadway, New York, is Pres. pro tem., and F. J. Dearborn is Ch. Engr., at Winthrop, Cal. Surveys, right-of-way and capital are secured. Date for receiving bids is as yet uncertain.

SAN SABA VALLEY.—We are officially advised that this company is securing right-of-way and running surveys for its proposed line from Antelope Gap, on the Gulf, Colorado & Santa Fe Ry., in Mills County, through Mills, Lampasas, San Saba and McCulloch Counties, by way of San Saba, to Crothers, on the Fort Worth & Rio Grande Ry., a distance of 50 miles. The general office of the company is at San Saba. E. Campbell is Pres., at San Saba; W. S. Haywood is Ch. Engr., at Jefferson, Tex.

SOUTHERN RY.—W. J. OLIVER, of Knoxville, Tenn., has been awarded contract, it is reported, for grading the new yards of the company at Charlotte, N. C. D. W. Lum is Ch. Engr. M. of W., Washington, D. C.

TEMISKAMING & NORTHERN ONTARIO.—Bids are asked by H. W. Pearson, Secy.-Treas., 25 Toronto St., Toronto, Ont., until noon, Oct. 2, for all the work except tracklaying and ballasting connected with the building of the following branch lines: (1) From the main line near Cobalt to the Kerr Lake region, a distance of approximately four miles. (2) From the main line to a point at or near Haileybury Wharf, a distance of about 1¾ miles. (3) From the main line near Englehart to the Village of Charlton, a distance of about eight miles. Marked checks, payable to the order of the Chairman and Secretary-Treasurer of the Commission must accompany bids as follows: Kerr Lake Branch, $2,000; Haileybury Spur, $500, and Charlton Branch, $2,000.

UNION PACIFIC.—The Washington & Northern R. R. is calling for bids for the construction of its line from Portland, Ore., to Tacoma, Wash. This is a branch of the Union Pacific. The contracts, which will be let in sections, call for its completion by Jan. 1, 1908. The purpose in letting contracts this fall is that contractors may assemble the equipment and materials, and be ready for construction work early in the spring. The section from Kelso, on the Columbia River, north to Chehalis, has been definitely located. Between Chehalis and Tacoma several alternative surveys have been made, but a definite location will be made soon. In general, the line will parallel the Northern Pacific, between Vancouver and Tacoma, and road will be crossed several times, and at least twice by overhead trestles. The $1,000,000 steel bridge built by the N. P. Ry. across the Columbia River at Vancouver will not be finished before March, 1908. The U. P. Ry. will have use of the bridge under the common-use clause of the Federal law, which permits of its erection. The Harriman interests have resumed the purchase of terminal grounds in Tacoma. The purchases were stopped last spring, following the disaster at San Francisco.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—Plans for a new electric railroad, to be known as the Ossipee Valley Line, to run between Springvale and Bridgton Junction, are being perfected and a charter will be petitioned for at the next session of the Legislature. The road is to be 40 miles long, running through the towns of Hiram, Sanford, Shapleigh, Newfield, Limerick, Parsonfield, Porter and Cornish. The capital stock will be $160,000. At a meeting of those interested the following directors were elected: George W. Hanson, of Sanford; Prescott A. Thing, of Shapleigh; Harry H. Moore, of Newfield; Charles G. Moulton, of Limerick; J. Merrill Lord, of Parsonfield; Owen L. Stanley, of Porter; H. Kimball, of Cornish; Milton Easton, of Limerick.

HARRISBURG, PA.—Charters have been issued at the State Department recently to the following companies: Lawrenceville St. Ry. Co., to build a line from the Pittsburg subway line at Neville St. to Hatfield St., Pittsburg, a distance of two miles; capital stock, $12,000. Directors: Edwin K. Morse, Warner Marshall, Horace F. Baker, Coleman E. Andel, and Harrison M. Williamson.

Rebecca St. Ry. Co., to build a line from Neville St. to South Highland Ave., Pittsburg, with the same capital and directors.

Coatesville, Thorndale & Downingtown Ry. Co., capital, $50,000; Meyer Schamberg, Philadelphia, Pres.

Lewisburg & Mifflinburg Electric Ry. Co., to build a line ten miles long, from Lewisburg to Mifflinburg, via Linntown, Lochielon and Vicksburg; the capital stock is $60,000; J. B. Nuss, Bloomsburg, Pres.; J. M. Nuss, Secy.; O. B. Mellick, Treas.; J. M. Sherer, George A. Geyer, J. B. Nuss, J. M. Nuss and O. B. Mellick, Directors.

PEARISBURG, VA.—The Giles County Electric Railway Co. has secured funds to begin construction immediately, it is said. The directors are Charles T. Painter, Pres.; T. J. Pearson, Vice-Pres.; M. P. Farrier, Secy. and Treas.; Martin Williams, John W. Williams, Barnard Mason and J. H. Woodrum. The company was chartered recently to build a line from Pearisburg to the Norfolk & Western depot, 1½ miles; also to connect with the new Tidewater Railroad when completed. The ultimate object is to extend the line to Newport, 16 miles, and to Narrow, in the opposite direction, five miles; total, 21 miles.

PRINCETON, W. VA.—We are informed that contracts will not be let probably until next year for building the Interstate Ry. Co.'s line from Princeton to Bluefield, W. Va., 25 miles. Capital is ready. No other steps have been taken. James Collins is Pres., Bramwell, W. Va.

FAYETTEVILLE, N. C.—We are officially informed that surveys are in progress for the Fayetteville St. Ry. Co.'s proposed line which will run over main streets of this city and to Hope Cotton Mills, two or three miles in length. A franchise has been granted to W. D. McNeill and others.

COLUMBIA, S. C.—The North Columbia Land Co. has contracted with the Columbia Electric St. Ry., Ltd., & Power Co. to build a 2-mile extension through its property. Gadsden E. Shand is Engr., and Alfred Wallace is Supt. of the Railway Co., at Columbia.

ALBANY, GA.—Joseph P. Roman, of Atlanta, representing Western capitalists, has petitioned the City Council for a franchise for an electric railway. Mr. Roman agrees to have the car line in operation within nine months after the franchise has been granted.

BRUNSWICK, GA.—The GENERAL CONSTRUCTION CO., of Atlanta, will build a street railway under the franchise granted some time ago to J. H. Neff, of Florida. Financial arrangements are said to be completed.

MILLTOWN, GA.—Charles J. Peeler, Pres. of the Georgia Land & Industrial Co., of Milltown, and others may build an electric railway from Milltown to Valdosta, Ga. Water-power of the Banks Mills having been purchased to generate electricity.

STARKVILLE, MISS.—C. E. Ard, Ch. Engr., of the Starkville St. Ry. Co., Agricultural College, Miss., writes us that this company will build a line connecting Starkville with the Agricultural and Mechanical College, a distance of two miles. Contracts will be let soon after Sept. 22, when organization of company will be perfected. Surveys are made and right-of-way obtained.

JACKSONVILLE, TENN.—The Jackson Ry. & Light Co. will build a 3-mile extension to Bemis, through a swamp; and about four miles additional line in Jackson. Harry Weissinger, Louisville, Ky., is Pres. Contract for power house and equipment has been awarded to JOSEPH McWILLIAMS & CO., of Louisville.

FREMONT, OHIO.—The County Commissioners have declared forfeited two electric railway franchises granted several years ago. One was granted to the Electric Railway & Power Co. for a line from Fremont to Tiffin, and the other to J. [illegible] Parker, of Sandusky, for a line from Sandusky to Tiffin. Neither line was built.

CINCINNATI, OHIO.—The Cincinnati & Columbus Traction Co., we are officially advised, will build an extension to Allensburg, Lynchburg, New Vienna, St[illegible]on and Washington Court House, 28 miles long. Company now operates a line from Cincinnati to Hillsboro, 53 miles. Surveys have been made but no other steps have been taken. H. H. Hoffman, Commercial Tribune Bldg., is Pres. This project was referred to in the notice of the incorporation of the Cincinnati, Columbus & Toledo Ry. Co., on Aug. 30.

EVANSVILLE, IND.—The Evansville & Connelton Traction Co. has filed articles of incorporation with the Secretary of State. The initial capital stock is $10,[illegible], which will be increased. The company proposes to build, equip and operate street and interurban railroads in, to, through and between Evansville, Booneville, Rockville, Connelton and intervening towns. The company also proposes to supply electricity for light, heat and power in the towns, cities and communities along the line of the road. George A. Cunningham, F. W. Cook, Charles C. Tennis, C. H. Battin, M. S. Sontag and M. [illegible] Harper are directors.

SOUTH BEND, IND.—It is reported that J. M. Caulfield, Vice-Pres., of the Kalamazoo & South Bend Traction Co., has bought right-of-way from this city to Constantine, and thence north to Florence. Work on the roadbed will begin this fall, and within one year it is proposed to have the road in operation.

ST. JOHNS, MICH.—A committee composed of Horace Gage, George S. Corbit, Richard Davies and Frank Farnham has been appointed by Byron Danley, Pres. of the St. Johns Business Men's Association, to secure $15,000 and right-of-way over the proposed route as St. Johns' share for the proposed Detroit, Saginaw & Grand Rapids Electric Ry. Maple Rapids will raise a similar amount, and the work will be started as soon as the $30,000 is pledged.

SAGINAW, MICH.—We are officially informed that the Saginaw, Owosso & Lansing Ry. Co. will let contracts soon for its projected line from Saginaw, through Owosso, and Laingsburg, to Lansing, for which right-of-way has been obtained and surveys made. J. A. Thick, of Owosso, is Pres. Mr. Thick was granted a liberal franchise recently in Owosso, as noted on Aug. 30.

BLOOMINGTON, ILL.—The Bloomington, Clinton & Decatur Traction Co. has changed its location from Springfield to Decatur, and its name to the Springfield & Eastern Railroad Co.

CHICAGO, ILL.—Judge Thomas G. Windes in the Circuit Court, on Sept. 15, refused to enjoin the city authorities from issuing certificates under the Mueller law for the purchase of the local street railway companies in any sum not exceeding $75,000,000. The decision of Judge Windes given upheld the constitutionality of the law, approved every step that the city had taken in following the provisions of the law and finally dismissed the bill of complaint for want of equity. An important feature to the decision is that it gives to the city the right to carry parcels in the proposed street railway system.

LAKE FOREST, ILL.—On Aug. 16 we published the following item: "City has passed an ordinance granting a new franchise to the Chicago & Milwaukee Electric R. R. Co. This ordinance has been pending before the council for the last two years. Mason B. Starring is Gen. Mgr., at 2020 State St., Chicago." Mr. Starring writes us, under date of Sept. 8, as follows: "Regarding Chicago & Milwaukee R. R. Co., I beg to say that I have had a number of inquiries of late, from different people, regarding the affairs of that company, and that I have not now, nor have I ever had, any connection with it. I think there must have been some mistake somewhere in publishing Chicago & Milwaukee Electric directory."

WEBSTER CITY, IOWA.—The City Council has passed a franchise giving the Boone, Webster City & Interurban Ry. Co. the privilege of operating in this city. An exemption from taxation for five years was also granted. A depot site and a right-of-way will be donated. Noted last week.

KANSAS CITY, MO.—Willard E. Winner, Pres. of the Development Corporation of St. Louis, has announced that a charter has been granted the Electric Terminal Railway of Kansas City. The following officers have been elected: Pres., John Mayer, Pres. of the Mayer Coal Co.; Vice-Pres., George H. Kahmann, of the railroad contracting firm of Kahmann & McMurray; Treas., Henry G. Pert, formerly Pres. of the Interurban Ry.; Secy., Baylis Steele.

AMARILLO, TEX.—The Amarillo Traction Co., in which James T. Brock and associates are interested, will build an electric street railway system at Amarillo. The necessary franchises were obtained from the city some time ago.

EL PASO, TEX.—Frank Tobin, of El Paso, and others of this city have applied for a franchise to build about 15 miles of electric street railway and also propose to extend the line to Ysleta.

DALLAS, TEX.—We are officially advised that "the Texas Traction R. R. will be built between Dallas and Sherman, Tex. It will be an electric road. Entirely new work. The length will be 61 miles. All surveys have been made and right-of-way obtained. All necessary capital for its construction has been secured, and all contracts have been let, and it is expected that work will begin about Oct. 1. J. F. Strickland, of Dallas, Tex., is Pres.; F. A. Jones, of Houston, Tex., is Ch. Engr."

NEWKIRK, OKLA.—The Newkirk, Tonkawa & Southern Electric Railway Co. probably will soon begin construction of its proposed line from Newkirk to Oklahoma City. T. S. Smith, of Newkirk, is Pres.; Moses P. Brown, Oklahoma City, First Vice-Pres.; E. G. Warfield, New York, N. Y., Second Vice-Pres.; J. S. Kerfoot, Secy., and Howard Elder, both of Oklahoma City.

BOULDER, COLO.—J. H. Ransom, Pres. of the Panhandle Electric Line, Boulder, writes us that contracts will be let as soon as preliminary arrangements can be made for building an electric line from Boulder, via Big Springs, to Galveston, Tex. Surveys are being made. Right-of-way is secured.

SAN FRANCISCO, CAL.—An ordinance granting the Presidio & Ferries Railroad Co. the privilege of installing an electric traction system on all of its lines has been passed by the Board of Supervisors. It was shown that the company had a clear right to operate its cars for some years longer, thus removing the question as to the length of its franchise. The company will proceed immediately to change its road to electric traction, but it will probably be three months before the line can be placed in operation.

FRESNO, CAL.—The Fresno Traction Co. is planning to spend $200,000 for the following improvements: Double-tracking the Sunnyside system to the Recreation Park; erection of a steel and concrete car house; and construction of the company's part of the Fresno St. subway. A. G. Wishon is Gen. Mgr.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

NORTH ATTLEBORO, MASS.—Bids are asked by the Water and Electric Light Commissioners for the construction of an addition to be made to the present plant on Whiting St.

BOSTON, MASS.—The following bids were received Sept. 11 for building the Florence St. conduit: Coleman Bros., $47,934; Bruno, Salemone & Pettiti, $44,163; P. W. Hill, $42,429; Metropolitan Construction Co., $40,850; Patrick McGovern, Boston, $40,313; H. Naun Construction Co., $36,051; N. J. Barry, $34,077; George Phillips, $33,790; T. J. O'Connell, $31,106; T. F. Welch, $28,662; A. Cefalo, 35 Brook St., Roslindale, Mass., $26,268.

MIDDLETOWN, CONN.—It is reported that CHARLES B. ANDRUS, of Hartford, has been awarded the contract for constructing the fireproof power house at the Connecticut Hospital for Insane at this place. Estimated cost, $25,000.

NIAGARA FALLS, N. Y.—The Ontario Power Co. will increase the capacity of its plant by adding three more generators, with turbines to run them. Francis V. Greene is Pres. and P. N. Nunn is Ch. Engr.

HEMPSTEAD (L. I.), N. Y.—We are officially advised that, as soon as necessary arrangements can be completed, the Hempstead Light & Power Co. will erect a light and power plant at an estimated cost of $100,000. There probably will be 6,500 arc lights and 6,000 incandescent lights. R. M. Van Dorn is Design. Engr.

PRINCETON, N. J.—Bids are asked by Wilson, Harris & Richards, Archs., Drexel Bldg., Philadelphia, for the construction of a power and lighting plant for the University of Princeton. It is to be a 1-story brick, stone and steel building.

LANCASTER, PA.—Plans are being prepared by Seymour & Davis, Archs, 1000 Chestnut St., Philadelphia, for a power-house to be erected at the Stearns Memorial Home.

PITTSBURG, PA.—Sidney F. Heckert, Arch., Stevenson Bldg., is taking bids on the erection of the power-house of St. Francis General Hospital in 44th St. Estimated cost $60,000.

WOMELSDORF, PA.—The contract for putting the forge dam in condition to furnish power for the electric plant has been awarded to JAMES W. SPONAGLE, of Birdsboro. W. H. Dechant is Gen. Mgr.

LYNCHBURG, VA.—Bids are soon to be asked for equipment for the $50,000 electric light plant for the city. Lamar Lyndon, of New York, N. Y., is Arch. H. L. Shaner is City Engr.

WILMINGTON, N. C.—The Consolidated Railways, Light & Power Co. will make improvements doubling its present capacity. It is reported that a steel reservoir will be built at a cost of $24,000, to have a capacity of 150,000 cubic feet. A. B. Skelding is Mgr.

MILLTOWN, GA.—The South Georgia Land & Industrial Co. has purchased the water power, mineral springs and lands at the old Bank mill. Arrangements will be made at once for the development of the water power to the extent of about 1,000 HP., which will be transmitted by electricity for light and power purposes; also for operating an interurban car line from Milltown to Valdosta, Ga., a distance of 19 miles. Frank Lederle, Atlanta, Ga., has been engaged to make surveys and estimates.

BRUNSWICK, GA.—The FORE RIVER SHIPBUILDING CO., of Quincy, Mass., has been awarded the contract to erect the terminals for the Atlanta, Birmingham & Atlantic Ry. Co., and will soon ask for bids for the erection of an electric power plant. C. Fred Redding is Pur. Agt.

MIAMI, FLA.—The Florida East Coast Electric Light & Water Co. will enlarge its electric lighting power plant in order to double its capacity. T. N. Macgonigle is Supt.

DUNNELLTON, FLA.—The contract for the construction of the municipal electric light and water works plant has been awarded to the STANDARD ELECTRIC CO., of Jacksonville, Fla. T. W. Thompson is Mgr.

LAFAYETTE, LA.—SPRAUGLEY & REED, of New Orleans, have been awarded the contract to extend and improve the water-works and electric light plant. The contract for extending the light plant calls for 92 arc lights, new boilers, engines, dynamos and arc light system.

JONESVILLE, LA.—A municipal electric lighting plant is to be erected here.

WATERTOWN, TENN.—H. H. Weir and W. L. Goodhart have been granted a franchise to erect an electric light plant here.

MEMPHIS, TENN.—The contract for erecting the power house for the Memphis Street Ry. Co. has been awarded to the SELDONBRECK CONSTRUCTION CO., St. Louis, Mo. E. W. Ford is Gen. Supt.

LOUISVILLE, KY.—A modern power house is to be erected here on the site of the old jail, to supply the city buildings with light and heat. The power house will be built of brick and will cost about $10,000.

CORBIN, KY.—New York and Tennessee capitalists will arrange for the development of the water power of the falls of the Cumberland River, 16 miles from Corbin. They secured the necessary options some months ago, and recently engineers have been making surveys 25 miles up stream and running lines to nearby cities. The plans will provide for the construction of a concrete dam 55 feet high and 550 feet long to develop 16,000 HP., which will be transmitted by electricity to Louisville, Lexington and other points for power and lighting purposes. Four turbines of 4,000 HP. each will be installed. The surveys have been under the direction of Arthur Giesler, Consult. Engr., of New York, N. Y. The plans for developments and plant are reported to call for the expenditure of $2,000,000. In connection with the water power electrical project the capitalists are said to propose building a large pulp mill.

AKRON, OHIO.—Bids are asked by the Board of County Commissioners until noon, Sept. 27, for the erection of a power and electric light plant. Mark D. Buckman is Auditor of Summit County.

COLUMBUS, OHIO.—Samuel Wyer, Engr., 815 Harrison Bldg., has prepared plans for a 1-story brick, concrete and steel power house, 103 × 160 ft., of fireproof construction, for the Columbus & Hocking Coal & Iron Co. Estimated cost, $100,000.

DAYTON, OHIO.—We are officially informed that the ABBOT-GAMBLE CO., 32 Broadway, New York, has been awarded the contract for the construction of the conduit system of the Dayton Citizens' Electric Light Co. Cyrus E. Mead is Gen. Mgr.

DULUTH, MINN.—The contract for establishing an electric light plant here for the city has been let to the HARTMAN GENERAL ELECTRIC CO. Cost, complete, $500,000.

FARGO, N. DAK.—Bids are asked until noon, Oct. 2, by the County Commissioners of Cass County, for apparatus for lighting plant at the County Hospital of Cass County. Arthur G. Lewis is County Auditor.

TEXARKANA, TEX.—The Texarkana Telephone Co. has secured a franchise to build an electric light plant.

FREDERICK, OKLA.—See under Water Supply—Irrigation.

TECUMSEH, OKLA. — See under Water Supply—Irrigation.

KREMMLING, COLO.—The Animas Power Co., operating electric plants in various parts of Colorado, has secured a bond and lease on the water right holdings and dam site of East Argentine Mining Co., in Grand County, near here. The bond is reported as calling for $125,000. The plant to be erected at Kremmling will supply electricity, not only for this section, but the lines will be extended into Leadville, and it is reported that application will be made at that place for a franchise. The storage capacity of the reservoir will be capable of generating over 5,000 HP., while additional water rights are being secured for the development of more power.

ROSALIA, WASH.—It is reported that Arthur D. Jones and Spokane associates are trying to obtain a franchise to furnish this town with electricity.

FORT STEVENS, ORE.—Bids are asked by the constructing quartermaster, until 11 a. m., Sept. 25, for electric light fixtures for officers' quarters.

ANAHEIM, CAL.—It is reported that Copeland & Shauck, Los Angeles, are preparing plans for the proposed water-works and electric light plant. Estimated cost, $48,000.

SALT LAKE CITY, UTAH.—The Salt Lake Public Service Co. has been incorporated with a capital of $3,000,000. It has franchises for lighting and heating in this city; also in several of the neighboring mining towns. The company will construct a steam heating plant at Third West and First South Sts.; also will put in power plants on the south fork of Little Cottonwood Creek, at Wasatch and on Maxfield resort in Big Cottonwood Canyon. A reservoir also will be constructed at Mill D in Big Cottonwood. It will be 85 feet deep and will have a capacity of 1,800 acre-feet of water. James J. Chambers is Pres. and J. W. Dages is Vice-Pres. of the company.

KENORA, ONT.—City has voted to develop water power on east branch of the Winnipeg River at cost of $200,000.

GRAVENHURST, ONT.—T. T. Simpson, C. E., Ottawa, has been engaged as engineer for the development of a water power for the town, for electrical purposes.

OTTAWA, ONT.—P. W. Sotham, Ch. Engr. of the Hydro-Electric Power Commission is in Ottawa looking into the power situation with a view of installing a public power plant for the city under the powers and provisions of the recently enacted power bill passed by the legislature. This move was made necessary because of the inability of the city to make satisfactory arrangements with the existing private power plants.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

SALEM, MASS.—Bids are asked until 10.30 a. m., Sept. 24, at the office of the County Commissioners, Salem, Mass., for completing the widening and reconstruction of the bridge across Waters River at Hussey's Mills, so-called, in the town of Danvers. Plans and specifications can be examined and blank form for bids obtained at the office of the County Commissioners at Salem, Mass., and at the office of Ephraim Harrington & Co., Civil Engrs., 60 State St., Boston.

SALEM, MASS.—Bids are asked until 11 a. m., Oct. 8, by the County Commissioners for building a new bridge over the Danvers River between the cities of Salem and Beverly, Mass. The work will consist of furnishing, complete, one steel revolving draw span, 182 ft. long; a pivot pier of concrete; a wooden fender pier; a pile bridge, 1,125 ft. long; two abutments, and the filling and roadway of approaches. James P. Hale, Clk. (Advertised, Engineering News.)

PITTSBURG, PA.—We are officially advised that the Welwood Ave. bridge will not be rebuilt, but a retaining wall and fill will replace it. Noted on Aug. 30.

YORK, PA.—Bids are asked until Oct. 1, by the County Commissioners, for construction of a steel bridge over Codorus Creek. Separate bids for the substructure and the superstructure.

READING, PA.—The Philadelphia & Reading Ry. Co. is reported to have awarded a contract to the PHOENIX BRIDGE CO., of Philadelphia, for erecting a deck plate girder bridge near Gwynedd.

WINCHESTER, VA.—Bids are asked until Oct. 10 for building a concrete or steel bridge over Opequon Creek, between Berryville and Winchester. P. McCormick, Secy., Berryville Turnpike Co.

BELZONA, MISS.—Bids are asked by the Board of Supervisors, Washington County, at Greenville, Miss., until noon, Oct. 1, for the construction of a steel bridge across the Yazoo River, at Belzona. T. H. Hood, Clk.

CROOKSVILLE, OHIO.—Bids are asked until Oct. 1, by the County Commissioners, at New Lexington, for construction of a steel bridge at Main St., Crooksville.

DAYTON, OHIO.—Bids are asked until 11 a. m., Oct. 4, by T. J. Kauffman, County Audr., for the following work: (a) To remove the present bridge across the Miami and Erie Canal on Pearl St. in the village of Miamisburg, Ohio, and such masonry as is not needed in the new structure, and to erect complete and ready for travel a new automatic swing bridge in its place. (b) Also to erect complete and ready for travel a new automatic swing bridge across the Miami and Erie Canal on the Kreitzer Road, in Van Buren Township.

SANDUSKY, OHIO.—Bids are asked until 1 p. m., Oct. 5, by J. N. Traxler, County Audr., for erecting three steel bridges.

LA PORTE, IND.—Bids are asked by the Board of Commissioners of La Porte County, at La Porte, Ind., until Oct. 4, for furnishing material and constructing the substructure, superstructure and machinery of a bascule bridge over the harbor at Franklin St. in Michigan City.

BLUFFTON, IND.—The County Council has made an appropriation of $15,000 for a new bridge which will span the Wabash River at the foot of Main St., this city; also an appropriation of $2,000 for a smaller bridge which is to be built a short distance north of the large bridge, the purpose of the smaller structure being to take care of the overflow. The Council also made appropriations for 15 smaller bridges to cost $250 to $900 each, which will be built over small creeks in the county. The contract for these smaller bridges was awarded to N. T. MILLER & SONS, of this city, agents for the Indiana Bridge Co., of Muncie. This company will very likely receive the contract later for the larger bridge.

GRAND RAPIDS, MICH.—The Board of Public Works has let the contract for the abutments and piers for the Ann St. bridge to the GRAND RAPIDS BRIDGE CO., for $20,000.

DELAVAN, ILL.—Bids are asked until 2.30 p. m., Sept. 24, for one highway bridge of reinforced concrete construction, 30-ft. span. A. N. Johnson, State Highway Engr., Springfield, Ill.

WICHITA, KAN.—Bids are asked until 5 p. m., Oct. 1, by R. N. Dorr, City Clk., for the construction of various bridges, to be built of steel, reinforced concrete, wood.

LOUISVILLE, NEB.—Cass County Commissioners will soon advertise for bids for construction of a bridge over the Platte River, at Louisville.

KANSAS CITY, MO.—The contract for building a rubble stone arch bridge on the Blue Ridge Road over the 15th St. road was awarded to the FORRESTER-SWENSON CONSTRUCTION CO, 205 Postal Bldg., Kansas City, at $14,500.

PARIS, TEX.—The Oklahoma Central Ry. Co., which is arranging to build a railroad from Lehigh, Ind. T., to Paris, will construct terminals at Paris and a bridge across the Red River, at a cost of $350,000.

PORTLAND, ORE.—Bids were received as follows on Sept. 7 by Thomas C. Devlin, Audr., for constructing a bridge over Sullivan Gulch, at Grand St.: The bid of the Puget Sound Building & Dredge Co. was the lowest, at $38,160. For a bridge of concrete construction the Standard Construction Co. submitted a bid of $73,810. Five other bids—all for a bridge of steel construction—were submitted as follows: Minneapolis Steel & Machinery Co., $58,000; Pacific Engineering Co., $54,124; Robert Wakefield, $53,835; Midland Bridge Co., $62,548; International Construction Co., $51,376.

WENATCHEE, WASH.—Contract for building the bridge to connect Brown and Monitor flats has been awarded to the PUGET SOUND BRIDGE & DREDGING CO., of Seattle, at $7,120.

WOODLAND, CAL.—Plans are taking shape for the new bridge across Putah Creek at Winters, between Yolo and Solano Counties. The bridge will cost about $30,000, and the expense will be equally divided between the two counties. It will be about 300 feet in length, and there will be three spans. It is proposed to begin work next spring as soon as the high water goes down.

SAN DIEGO, CAL.—The Atlantic, Gulf & Pacific Co., of Los Angeles, Cal., submitted the lowest bid on Sept. 5 for building a bridge across the San Pasquale River, at $3,057.

SAN BERNARDINO, CAL.—F. T. Perris, C. E., has submitted to the Board of Supervisors an estimate of cost of a proposed bridge across the Santa Ana River. It is placed at $60,000.

LOS ANGELES, CAL.—The City may build a bridge across the Los Angeles River at East Seventh St.

BATTLEFORD, SASK.—KELLY BROS., Kenora, Ont., have been warded the contract for the erection of the substructure of the railway and traffic bridge, at Battleford. J. H. Lamont, Minister of Works, Regina, Sask.

BRADFORD, ONT.—Contracts for construction of swing bridge over the Holland River were awarded as follows: Substructure, D. CONROY & SONS, Peterboro; superstructure, DOMINION BRIDGE CO.

GORDON, ONT.—Bids are asked until Sept. 25 by A. C. Mailloux, Township Clk, for the construction of a steel bridge over the Grand River on the Front Road, Anderton Township. Bridge to be 140 ft. long on concrete abutments, set upon foundations of piles.

OSHAWA, ONT.—Bids are asked by W. S. Bowden, Town Engr., until Sept. 21, for a 50-ft. reinforced concrete arch bridge.

OTTAWA, ONT.—The Trans-Continental Ry. Commission has awarded contract for four steel bridges to the DOMINION BRIDGE CO., of Montreal, Que., at $100,000. Also contract for four bridges to the LOCOMOTIVE MACHINE CO., at $60,000. H. D. Lumsden is Ch. Engr., at Ottawa.

The Commission has also awarded the following contracts: For the steel viaduct, about 300 ft. long, across the Cap Rogue Valley, near Quebec: To the DOMINION BRIDGE CO., at $358,476. The contract for the bridges on the Quebec-La Tuque and the Winnipeg-Superior Junction sections are held in abeyance for a few days. For materials—DOMINION IRON & STELL CO., 33,000 tons steel rails, $1,127,000; NOVA SCOTIA STEEL & COAL CO., 1,217 tons splice bars, $57,248; GANONOQUE BOLT CO., 310,000 lbs. track bolts and nuts, $10,635; TORONTO BOLT & FORGING CO., 208,800 lbs. track bolts and nuts, $7,300; PECK ROLLING MILLS CO., 1,188,200 lbs. track spikes, $29,705; HAMILTON STEEL & IRON CO., 729,000 lbs. track spikes, $18,589; TORONTO BOLT & FORGING CO., 728,900 lbs. track spikes, $18,587; MONTREAL ROLLING MILLS CO., 728,900 lbs. track spikes, $18,536.

EDMONTON, ALTA.—The City Council of Edmonton has appointed a committee to confer with the committee of Strathcona, Alta., regarding the construction of a high level traffic bridge in connection with the Canadian Pacific R. R.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—A girls' dormitory is to be built at Harvard. It is a gift of Mrs. David P. Kimball. The building is to be named the Grace Hopkinson Eliot Hall.

POUGHKEEPSIE, N. Y.—The Poughkeepsie Trust Co., it is reported, has awarded the contract to erect their building to WM. BURNETT, of New York, N. Y. Estimated cost, $300,000.

NEW YORK, N. Y.—The Young Men's Christian Association has purchased a plot of land on East 27th St. upon which it will erect a 10-story building to cost $400,000.

The property owned by Mrs. Mary A. Fitzgerald at the corner of Broadway and 43d St. has been leased to a Philadelphia syndicate for a period of 21 years with the privilege of renewal, which will erect on the site a building to cost $800,000.

C. P. H. Gilbert, 25th St. and Broadway, is architect for a residence which is to be erected at 15-17 East 80th St. for Paul M. Warburg, who now lives at Hamburg, Germany. It is to be a 6½-story stone building. Estimated cost, $100,000.

Townsend, Steindler & Haskell, 29 East 19th St., are architects for a 6-story loft building to be erected at 36-38 West 37th St. for T. R. Boll. Estimated cost, $200,000.

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply until 3 p. m., Oct. 1, for the erection of public bath No. 3. Isidore Wachsman is Clk. Estimated cost, $50,000.

NEW YORK, N. Y.—Plans have been filed with the Building Superintendent for a 5-story dwelling house to be built for Gen. Lloyd S. Bryce at 1025 Fifth Ave. It is to be of brick and limestone, 40 × 62 ft. Estimated cost, $80,000.

Plans have also been filed for a new 5-story fireproof school to be built at 643-645 Water St. for the Crippled Children's East Side Free School Society, of which Mrs. Henry Goldman is Pres. It is to be of brick and ornamental stone, 50 × 100 ft., and will have a roof garden. It is to cost $75,000.

C. B. J. Snyder, Ch. Arch. of the Department of Education, has filed plans for a new 5-story school to be built at Stanton and Forsyth Sts. It will be 199 × 100 ft., with a facade of brick, trimmed with limestone and terra cotta. It will cost $320,000, and is to be known as School No. 91.

F. A. Regan, Arch., 245 President St., has plans for a parochial school building to be

erected on Summit St., near Hicks St., in the Borough of Brooklyn, for the St. Stephen's Parish. It is to be a 3-story brick, stone and concrete building, 100 × 100 ft. Estimated cost, $100,000.

Bids are asked until 3 p. m., Sept. 27, by the Park Board, Dept. of Parks, for the erection of a shelter house at Prospect Park, Boro. of Brooklyn. Moses Herrman is Pres.

NEW YORK, N. Y.—The following bids were received Sept. 17 by the Board of Education for sanitary work and gas fitting, also fittings and furniture for laboratories, etc., of additions to and alterations in Teachers' Training School on Prospect and Park Places, Borough of Brooklyn: Frank J. Fee, 411 West 32d St., $49,200; W. C. Ormond, 900 President St., Brooklyn, $49,780; Jas. Fay's Son, 101 West 66th St., $49,252; L. D. Hosford, 68 Beekman St., $57,200; Jas. Harley, 288 Flatbush Ave., Brooklyn, $46,900; C. Wally, 2382 Broadway, $47,439.

For the general construction of Athletic Field on Aves. K and L, and between East 17th St. and the Long Island Railroad, Flatbush, Boro. of Brooklyn; C. L. Dooley, 119 Nassau St., $12,553; Chas. Meads & Co., 299 Broadway, $12,340.

For installing the heating and ventilating apparatus for additions to and alterations in Teachers' Training School, on Prospect and Park Places, Boro of Brooklyn: Blake & Williams, 211 West 20th St., $41,482; E. Rutzler Co., 127 White St., $44,742; L. D. Hosford, 68 Beekman St., $44,469; Frank Dobsoee, 319 East 53d St., $45,392.

For the general construction of additions to and alterations in Public School 59, on the south side of 57th St., Boro. of Manhattan: Thos. Cockerill & Son, 147 Columbus Ave., $154,233; C. H. Peckworth, 415 Hudson St., $168,413; P. J. Brennan & Son, 944 Broadway, $151,500; H. Berry & Co., 101 West 66th St., $155,693; P. Gallagher, 1189 Broadway, $180,000.

For the general construction of new Public School 91, at Forsyth and Stanton Sts., Boro. of Manhattan: Thos. Cockerill & Son, 147 Columbus Ave., $348,900; R. E. Henningham, 1 Madison Ave., $364,000; P. J. Brennan & Son, 949 Broadway, $346,845; C. H. Peckworth, 415 Hudson St., $359,387; P. Gallagher, 1189 Broadway, $367,500.

For the general construction of additions to and alterations in Public School 43, at 129th St. and Amsterdam Ave., Boro. of Manhattan: C. H. Peckworth, 415 Hudson St., $58,327; P. J. Brennan & Son, 949 Broadway, $49,000; Thos. Cockerill & Son, 147 Columbus Ave., $53,800; J. & S. Moreland Co., 1910 Park Ave., $53,594; A. & W. Grey & Co., 237 West 37th St., $56,000.

HARRISON, N. J.—We are officially informed that the AMERICAN CONCRETE-STEEL CO., of Newark, N. J., has been awarded the contract for the erection of a storage building for the General Electric Co. in this city. It is to be a 3-story reinforced concrete building, 80 × 250 ft., and will cost about $80,000.

WILDWOOD, N. J.—THOMAS S. GOSLIN has been awarded the contract for the erection of a hotel for the Wildwood Manor Hotel Co. It is to be a 4-story brick and stone building and will cost about $150,000.

CAMDEN, N. J.—Plans have been completed by Thomas Stephens, Arch., 415 Market St., for the erection of a theater at Newton Ave. and Walnut St., for the M. W. Taylor Amusement Co. It is to be a 2-story brick and stone building, 80 × 137 ft. Estimated cost, $100,000.

SOUTH BETHLEHEM, PA.—The contract for the erection of the Drown Memorial Hall for Lehigh University has been awarded to DANZIGER & CO. It will be a 3-story stone building, 123 × 59 ft. Estimated cost, $75,000. Furness, Evans & Co., Provident Bldg., Philadelphia, are Archs.

PHILADELPHIA, PA.—The Board of City Trusts, which has charge of the Stephen Girard estate, will erect an office building on the site of the old People's Bank and the Frederick Brown Bldg., at Fifth and Chestnut Sts. Estimated cost, $1,000,000. It is to be a 10-story brick, stone and steel building, 110 × 165 ft. J. H. Windrim, Commonwealth Bldg., is Arch.

Plans are being prepared by C. M. Antenreith, Arch., 410 Walnut St., for an addition to the department store of Lit Bros., at Seventh and Market Sts. It is to be a 6-story brick, concrete and steel building of fireproof construction. Estimated cost, $150,000.

PITTSBURG, PA.—Plans have been prepared by F. H. De Arment, Arch., Fulton Bldg., for an 8-story reinforced concrete apartment house, for J. T. Kyle and others. It is to be 125 × 91 ft., and is to cost about $200,000.

READING, PA.—George L. Gerhard, Arch., 619 Penn St., has asked for bids for the construction of an apartment house on Penn St. for N. M. Griscom. It is to be an 8-story brick, stone and steel building, and is to cost about $150,000.

ROSEMONT, PA.—The contract for the erection of a country residence near here for Thomas McKean has been awarded to J. MYERS & SON, Witherspoon Bldg., Philadelphia, by George Bispham Page, Arch., 1113 Harrison Bldg. It is to be a 3-story building. Estimated cost, $100,000.

BALTIMORE, MD.—It is reported that a building will be erected at the Johns Hopkins Hospital, to be used as a children's ward. It is to be a 3-story building, 117 × 204 ft. Estimated cost, $250,000. Henry M. Hurd is Supt.

A building permit has been issued for the erection of two 5-story nurses' homes for the Johns Hopkins Hospital. The plans for the buildings were prepared by Archer & Allen, Archs., 47 Central Savings Bank Bldg., and B. F. BENNETT, 123 South Howard St., has received the contract for the construction. The total cost will be about $75,000.

BALTIMORE, MD.—See under Sewers.

WASHINGTON, D. C.—Bids are asked by B. Stanley Simmons, Arch., 931 F St., N. W., until Oct. 1 for the erection of a store and office building at 1331-3 G St., N. W., for C. E. Foster, 1410 G St., N. W. The building is to be 3 stories, brick and stone, 45 × 100 ft.

WASHINGTON, D. C.—David Moore, 1328 New York Ave., N. W., has purchased lots at 1408 G St., N. W., and will erect office building on the site. It is to be eight or ten stories high, 25 × 113 ft., of steel frame fireproof construction, and is to cost about $150,000.

WASHINGTON, D. C.—The Commissioners of the District of Columbia have procured a site on the Brightwood road for the new tuberculosis hospital authorized by the recent session of Congress. Frank Miles Day, Arch., of Philadelphia, is consulting with the Commissioners relative to the construction of the building. The Commissioners expect to be much hampered in the work by the fact that the appropriation is only $100,000, which is felt to be too small for the necessities of the case.

WASHINGTON, D. C.—Bids were opened Sept. 8 at the office of Bernard R. Green, Engr. for the National Museum Building, Washington, for furnishing and delivering terra cotta fireproofing for the second, third and attic floors of the new building for the National Museum, Washington. The following bids were received: National Fireproofing Co., Pittsburg, second and third floors, $14,717 each; attic, $7,018; total, $36,453. The Haydenville Co., Haydenville, Ohio, second and third, $21,682 each; attic, $11,460; total, $56,824; O. W. Ketcham, Philadelphia, second and third, $12,010 each; attic, $8,706; total, $32,726. Whiteacre Fireproofing Co., Waynesburg, Ohio, and W. A. Mills, Washington, D. C., Bid A, second and third, $14,806 each; attic, $7,196; total, $36,808; Bids B and C, each, second and third, $13,806 each; attic, $6,396; total, $34,008.

NORFOLK, VA.—E. TATTERSON has been awarded the contract for an 8-story building to be erected by Paul-Gale-Greenwood Co., jewelers, at Granby St. and City Hall Ave. It is to be of reinforced concrete construction, and is to cost about $100,000.

WHEELING, W. VA.—It is reported that the Trustees of the St. John's German Lutheran Church have awarded the contract for erecting an edifice to LOUIS HARTTONG & SON, 80 North Front St., for $82,000.

HUNTINGTON, W. VA.—The A. F. WITHROW CO. has been awarded the contract to erect a building for the Institutional Baptist Church. It is to be a reinforced concrete building, 90 × 152 ft. Rahenstein & Warne, Charleston, W. Va., are Archs. Estimated cost, $100,000.

WARRENTON, N.C.—Bids are asked by the County Commissioners of Warren County until noon, Sept. 25, for the erection of a county court house. Frank P. Milburn & Co. are Archs. P. H. Stallings is Chn. Bd. Co. Comrs.

GREENVILLE, S. C.—The Tourist Hotel & Recreation Park Co. will erect a hotel building here which will cost about $225,000.

TAMPA, FLA.—Tampa and Ocala capitalists have purchased the De Soto Hotel site and will erect a $200,000 hotel of brick and stone. W. L. Parker is interested.

MOBILE, ALA.—Bids are asked until Sept. 27, by F. M. Andrews, Arch., First National Bank Bldg., Cincinnati, Ohio, for the erection of an 8-story brick and stone hotel for the New Battle House Co., at Mobile. Estimated cost, $600,000.

NEW ORLEANS, LA.—An annex is to be erected at the City Hall. An appropriation of $200,000 has been made for that purpose. It is to be a 6-story brick building of fireproof construction, 118 × 90 ft. W. J. Hardee is City Engr.

The Past Chancellors' Association will erect a Pythian Castle Hall at a cost of $150,000. J. A. J. DeLeon is Secy.

MEMPHIS, TENN.—A new car barn to cost $100,000 will be erected here by the Memphis Street Ry. Co. E. W. Ford is Gen. Supt.

CHATTANOOGA, TENN.—The addition to be made at the custom house is to be two wings three stories high. Each wing will be 36 × 38 ft. Estimated cost, $110,000.

HENDERSON, KY.—The City will hold an election in November to vote on issuing $125,000 bonds for erection of court house.

LOUISVILLE KY.—The Louisville & Jefferson Bridge Co., it is reported, will erect a freight depot at Main and Washington Sts. at a cost of $75,000.

LEXINGTON, KY.—Plans are being prepared by Richards, McCarty & Bulford, Ruggery Bldg., Columbus, Ohio, for the erection of a hotel and theater for the Phoenix Hotel Co. It is to be an 8-story brick building of fireproof construction. Estimated cost, $500,000.

Plans are being prepared by Anderson & Faig, Archs., for a building to be erected here at a cost of $75,000. It is to be 100 × 150 ft., of ordinary construction.

CLEVELAND, OHIO.—The Wheeling & Lake Erie R. R. Co. will erect a station on Ontario St. Estimated cost, $100,000. B. W. Griffith is Supply Agt., at Pittsburg, Pa.

EAST LIVERPOOL, OHIO.—The Citizens' National Bank has had sketches submitted for an 8-story brick and stone bank and hotel to be 65 × 95 ft., and to cost from $125,000 to $150,000.

HAMILTON, OHIO.—It is reported that a $150,000 Y. M. C. A. building will be erected here. Fred G. Mueller, Rentschler Bldg., is Arch.

OBERLIN, OHIO.—Bids are asked by Patton & Miller, Archs., 1411 Hartford Bldg., Chicago, Ill., until Oct. 9 for the erection of a 4-story fireproof library building for Oberlin College. Estimated cost is $125,000.

COLUMBUS, OHIO.—The general contract for the construction of the new court house has been awarded to UNKEFER & CO., Dayton, Ohio, at $112,519. Richards, McCarty & Bulford are Archs.

INDIANAPOLIS, IND.—Lodge No. 44 of Odd Fellows has purchased a site on North Menden St., and, it is reported, will erect a $75,000 lodge hall. M. S. Huey is Secy.

NOBLESVILLE, IND.—E. M. CAMPFIELD, of Findlay, Ohio, has been awarded the contract for the construction of the Southeastern Hospital for the Insane, at $1,166,473. Faltz & Parker, 431 Union Trust Bldg., are Archs.

GRAND RAPIDS, MICH.—The International Harvester Co. of America, it is reported, is arranging to erect an office and warehouse building of brick and stone at Wealthy Ave. and Buchanan St., to cost $75,000.

CHAMPAIGN, ILL.—Temple, Burroughs & McLane, Archs., McManus Bldg., Davenport, Iowa, have prepared plans for the new Young Men's Christian Association building to cost about $90,000, which is to be erected here.

CHICAGO, ILL.—Wm. C. Sivern is about to let contracts for a factory to be built on 114th St., between Robey St. and Hoyne Ave. It will be 1-story, 180 × 250 ft., of reinforced concrete construction, with brick exterior, and cost about $100,000.

H. W. Edbrooke, 88 Washington St., has prepared plans for a warehouse to be built at 42d St. and Ashland Ave. for Darling & Co., fertilizers, 4201 South Ashland Ave., who are taking figures. It will be five stories high, 80 × 150 ft., of mill construction, with concrete foundation, brick superstructure, and will cost $75,000.

Robt. T. Newberry, 184 LaSalle St., is taking new figures on a warehouse, with stables, to be built at 1706 to 1714 Wabash Ave., for the occupancy of Rothschild & Co. It will be ten stories high, of fireproof construction and have pressed brick front. Estimated cost, $75,000.

Rand, McNally & Co. will erect a building at Clark and Harrison Sts. at a cost of $1,000,000.

The Lyman Trumbull Manual Training and High School to be erected on Sedgwick St., between Beethoven Pl. and Division St., is to be a 4-story brick and stone building, 330 × 170 ft. Estimated cost, $400,000.

DULUTH, MINN.—Kees & Colburn, Archs., Minneapolis, have prepared plans for a 2-story brick and stone residence for Jos. B. Cotton. Estimated cost, $90,000. Anderson & Gow, Duluth, will have charge.

MINNEAPOLIS, MINN.—Plans will be prepared by Edward S. Stebbins, Arch., 615 Masonic Temple, for the erection of a $100,000 high school building at Hennepin and 29th Sts.

ST. PAUL, MINN.—Post'e & Mahler, Archs., Marquette Bldg., Chicago, Ill., have awarded the contract for the general construction of the 1-story pressed brick and cut stone printing establishment for H. L. Collins & Co., of this city, to OLAF SWENSON, 945 Clark St., this city. Estimated cost, $100,000.

L. Lockwood, Arch., 503 National German-American Bank Bldg., has let the contract for the general construction of the Lindeke, Warner & Sons wholesale dry goods house to BUTTLER BROS., 1004 N. Y. Life Bldg. The structure will be seven stories in height, having pressed brick and concrete construction. Estimated cost, $350,000.

ST. PAUL, MINN.—Bids were opened at the office of James Knox Taylor, Supervising Arch. of the Treasury, Washington, for interior painting and decorating at the U. S. Government Building, St. Paul, Minn. Bids were as follows: Grohme Decorating Co., Joliet, Ill., $16,670; 90 days; O. J. Oyen, La Crosse, Wis., $17,395; 80 days; Bazille & Partridge, Inc., St. Paul, $19,600; Feb. 1, 1907; A. Schodert, St. Paul, Minn., $18,373; Jan. 31, 1907; O'Brien Bros., Chicago, $19,500; 90 days.

FORT RUSSELL, WYO.—Capt. V. T. Hart, Constructing Q. M., has been authorized by the War Department, Washington, D. C., to prepare specifications and advertise for bids for 36 buildings, which are to cost about $700,000, to be erected here.

BUTTE, MONT.—The contract for the erection of the building, which the Silver Bow Club will erect at Granite and Alaska Sts., has been awarded to George M. Smith for $150,000. It is to be a 3-story building, 80 × 90 ft.

KANSAS CITY, MO.—Helmers Manufacturing Co. has completed arrangements for the erection of proposed 6-story warehouse, to cost $75,000.

Hucke & Sexton have secured permit for the erection of proposed hotel at 15 12th St. It is to be five stories, 57 × 138 ft. Estimated cost, $85,000.

ST. LOUIS, MO.—Board of Public Improvements is considering plans for the erection of proposed quarantine hospital. The plans submitted call for a building two stories high, 56 × 160 ft., of brick and concrete, to cost $75,000.

St. Louis Tenement House Association is completing arrangements for the erection of the first of the proposed tenement houses; building to be four stories, 150 × 275 ft., fireproof construction; cost $300,000. William Taussig, Pres.

J. L. Wees, Arch., 520 Olive St., is preparing plans and will shortly receive bids for a 3-story apartment house, 190 × 175 ft., to be erected by George Sauerbrunn, 612 Chestnut St., of brick and stone. Estimated cost, $95,000.

DENISON, TEX.—It is reported that arrangements have been completed for the erection of the union passenger station to be erected by the Missouri, Kansas & Texas Ry. System. Estimated cost, $300,000. F. W. Bailey is Supt. of Bridges and Bldgs., at Denison.

DENVER, COLO.—The Board of Education, it is reported, has accepted plans for a $300,000 school, to be erected on Lake Pl., near the Boulevard.

The contract to erect the St. Francis Hotel, it is reported, has been awarded to ALEX. MATHERS, Continental Bldg., at about $100,000.

GRAND JUNCTION, COLO.—Bids are asked by C. F. Larrabee, Arch., of Indian Affairs, until Oct. 16, for erecting employes' quarters, workshop and garage, at the Grand Junction School.

PORTLAND, ORE.—The Apartment House Bldg. Co. will erect a brick building at Park and Madison at a cost of $90,000.

LA GRANDE, ORE. HERT WAKEFIELD, of Portland, Or. has been awarded the contract for the construction of the roundhouse, oil and coal house and storage, at a cost of $1[illegible] for the Harriman interests. The brick will be of fireproof construction.

LOS ANGELES, CAL. [illegible]ther telephone exchange is to be established by the Home Telephone Co. here and [illegible] sary building are now being prepared. The building will be located on [illegible] between Western Ave. [illegible] Hobart Blvd. It will be constructed of [illegible] and will cost about $40,000. [illegible] are 70 × 104 ft., and the dimensions two stories high. [illegible]

A union stock yard is to be erected here at a cost of $100,000, including [illegible] exchange building. A. C. [illegible], Third and Sante Fe Sts., is interested.

OAKLAND, CAL.—It is reported that the directors of the Union Savings Bank, of Oakland, contemplate erecting a hotel, at a cost of $1,750,000. Wm. [illegible] Henshaw is Pres.

SAN FRANCISCO, CAL.—BENJAMIN M. CRAM, of Boston, Mass., has been awarded the contract for erecting the city hall here. Estimated cost, $6,000,000.

A. Y. M. C. A. building will be erected at Mason and Ellis Sts. It is to be a 7-story steel building of Class A. Dr. Hartland Law is Chn. of the Bldg. Com.

FAIRFIELD, CAL.—The contract for the erection of the county jail has been awarded to W. H. CONCANNON, of Oakland. Estimated cost, $75,000.

SAN JOSE, CAL.—Bids are asked until 10 a. m., Oct. 2, by the Board of Supervisors for the reconstruction of the Hall of Records, at First and St. James Sts. Henry A. Pfister is Clk.

BERKELEY, CAL.—The city will vote on the issuance of $110,000 of bonds to be used for the erection of a new town-hall.

ROSEVILLE, CAL.—The Southern Pacific Co. will erect a terminal here, with extensive roundhouses and fifty miles of switching tracks. Estimated cost, $500,000. I. O. Rhoades is Gen. Pur. Agt., San Francisco, California.

MONTREAL, QUE.—Plans have been prepared for the new Bonaventure depot and hotel on Chaboillez St. The new building for the Eastern Townships Bank on the site of the old Morgan block, St. James St., is to be ten stories high, cost $500,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

CARTHAGE, N. Y.—A special election is soon to be held here to consider the proposition to spend $125,000 in securing a pure supply of water from the Indian River.

NEW YORK, N. Y.—Bids are asked until 3 p. m., Sept. 27, by Moses Herrman, Pres. Dept. Parks, for constructing and completing a pumping plant in Forest Park, Boro. of Queens.

NEW YORK, N. Y.—Contract has been awarded to LESLIE McHARG & CO., 29 Broadway, for experimental filtration plant, to cost about $8,000, at the Jerome Park reservoir. The Department of Water Supply, Gas and Electricity has approved final plans for the largest filtration plant in the world, to be erected over the Jerome Park reservoir, to filter the entire water supply of this city. The experimental plant is to be installed at the lower end of the reservoir for the purpose of ascertaining the best process for destroying microbes and bacteria not destroyed by the sand filter. The large filtration plant proper will cost the city from $11,000,000 to $12,000,000, and will be ready in about two years. Sand filters will be used, and these will filter 380,000,000 gallons of water daily. William B. Ellison is Comr.; I. M. de Verona is Ch. Engr., 21 Park Row.

BLOOMFIELD, N. J.—The contract to extend the water mains is reported to have been awarded on Sept. 4 to PASQUALE CESTONE, of Montclair, for $11,512.

ASBURY PARK, N. J.—We are officially advised that bids were received as follows on Sept. 10 for a 200-HP. internal furnace boiler: B. F. Hart, Jr., & Co., New York, $4,542; A. D. Granger Co., New York, $4,277; Edward Burhorn, New York, $4,250; Pennsylvania Engineering Co., Philadelphia, $3,775; N. W. Read, Third and Arch Sts., Philadelphia, $3,690; D. C. Seymour, 49 Lawrence St., Newark, N. J., $3,499. Bids were referred to John L. Coffin, Supt. Dept. of Water and Sewers, to report at next meeting of Council.

ALLEGHENY, PA.—J. Lenwood Brown, Supt. Bureau of Water Supply, at a meeting of Council on Sept. 10, recommended an increase of the water supply from 66,000,000 gallons every 24 hours to 75,000,000 gallons by changing the three pumping engines at Montrose station from differential to double acting. He also recommends a new crib, with four new intake pipes, at Montrose, and a thorough cleaning of the cribs in operation there now, and new lines of pipe on Woods Run and California Aves., and from the water tanks on Perrysville Ave. to Broadway.

EBENSBURG, PA.—The Borough Council has appropriated $15,000 for improving the water-works.

PHILADELPHIA, PA.—The "Public Ledger" stated on Sept. 13 that "the offer of the United Water Improvement Co. to erect a plant at the Queen Lane reservoir site for $1,000,000 to purify the water supply by ozonization was rejected. Mayor Weaver did not approve of accepting the bid because the

city was committed to slow sand filtration."

Contracts have been awarded as follows in connection with the Torresdale filter plant: For completing intake: RICHARD P. BENNIS, $137,000. For furnishing iron pipe to the following: JOHN McMENAMY, $105,000; STUART WOODWARD CO., $80,000; U. S. CAST IRON PIPE & FOUNDRY CO., $127,000. Thomas L. Hicks, Dir. Pub. Wks.

WILKES-BARRE, PA.—The city probably will vote upon a municipal water-works proposition.

CHRISTIANA, DEL. — METZGER & WELLS, Heed Bldg., Philadelphia, Pa., have secured the contract to build a 2-story brick and stone pumping station, containing a filter and engine rooms, at Christiana, for the Delaware Water Co. Cost, about $30,000. Guy King, 1319 Walnut St., Philadelphia, Pa., is Arch.

PARSONS, W. VA.—We are advised by R. B. Kinsey, Secy., 622 Court St., Reading, Pa., that the Elk Lick Water Co., recently chartered to construct and maintain water-works systems in the towns of Parsons and Hambleton in Tucker County, has not yet secured necessary franchises and that no work has been started on proposed gravity plant. The authorized capital is $40,000.

HAZELHURST, GA.—City will vote on proposition to issue bonds for constructing water-works and also for purchasing the electric light plant.

ADAIRSVILLE, GA.—J. Bowdoin, Mayor, announces that the citizens voted on Sept. 8 to issue bonds for the construction of water-works. J. B. McCrary & Co., of Atlanta, are Engrs. Equipment will be required.

TIFTON, GA.—The city will install a system of water-works.

DADEVILLE, ALA.—It is proposed to construct water-works here. Hall Bros., of Dadeville, are the Engrs.

TUSCALOOSA, ALA.—City officials are interested in the construction of water-works system in this city.

BIRMINGHAM, ALA.—It is reported that plans are being developed by the engineers employed by the Birmingham Water-Works Co. for damming the Cahaba River to provide an artificial fresh-water basin 1,000 acres in extent. The dam will be some 700 yards long, constructed of concrete and stone.

LAFAYETTE, LA.—The City Council has awarded contract to SPRANLEY & REED, of New Orleans, for the extension and renovation of the electric light plant and water-works at a cost of $25,400. The contract calls for 8,000 ft. of water mains, 92 arc lights, new boilers, engines, dynamos and arc light system. Work will be completed by Jan. 1.

HENDERSON, KY.—William Sieber, Supt. municipal water-works, advises us that bids are asked until Oct. 4 for furnishing and erecting one 4,000,000-gallon high duty pumping engine and one 150-HP. boiler. Noted last week.

HAMILTON, OHIO.—Citizens have voted to issue $115,000 of bonds for improvements to the water-works.

IRONTON, OHIO.—The citizens have voted to issue $75,000 water-works bonds. A consulting engineer will now be employed. D. H. Clark is Supt. W.-W.

CHARDON, OHIO.—Bids will probably be called for early next year for water-works and a sewer system, to cost about $200,000. E. M. Milligan, of Warren, Ohio, is Engr.

COLUMBUS, OHIO.—The Board of Public Service has let general contract to WEST-WATER & CASEY CO. for a pumping station and intake to cost $206,000.

WAYLAND, MICH.—The Common Council has voted in favor of bonding the village for $15,000 to install water-works plant.

CASSOPOLIS, MICH.—Bonds to the amount of $7,000 are reported to have been voted for a water supply.

ELGIN, ILL.—Trustees of the Northern Illinois Hospital for the Insane have set aside an appropriation amounting to $17,000 for the construction of a complete water plant for protection against fire and for irrigating purposes. The plant will consist of steam pumps on the river bank, a large standpipe, and a network of water mains throughout the grounds, with hydrants at all vantage points. River water will be used entirely for fire protection and for sprinkling purposes.

DECATUR, ILL.—D. W. Mead, of Chicago, is Engr.-in-Charge of construction of new water-works.

HIGHLAND PARK, ILL.—John Finney, City Clerk, states that it is proposed to extend the water-works intake.

STONINGTON, ILL.—Town will install a new water-works system.

GREENFIELD, IOWA.—On Sept. 10, at a special election, the proposition was carried to issue $10,000 of bonds to install a water-works system.

WATERLOO, IOWA.—M. B. Locke is reported to have petitioned for a franchise for water-works.

FORT SNELLING, MINN.—Bids are asked by Capt. Wm. D. Davis, Q. M., until 11 a. m., Oct. 10, for constructing addition to pump house at Fort Snelling and for furnishing boiler and feed-water heater.

ST. PAUL, MINN.—The Water Board is stated to have decided to rebuild the Pleasant Lake conduit, at a cost of $20,000.

WELLINGTON, KAN.—The Council has under consideration the question of constructing water-works, a sewerage system and city-hall. A. B. Cheevy is City Clerk.

GARDEN CITY, KAN.—The Secretary of the Interior has executed a contract and approved the bond of the CAMDEN IRON WORKS, of Camden, N. J., for furnishing pumping apparatus for the Garden City irrigation project, Kansas. The contract calls for the furnishing complete of ten motor-driven pumps of 5 second-ft. capacity, with General Electric Co. motors, bronze impellers. The work will cost the Government $14,440.

FREMONT, NEB.—It is proposed to remodel the electric light plant and water-works, but nothing definite has yet been done. L. D. Richard is Secy. Bd. Water & Light Comrs.

SCRIBNER, NEB.—Thos. Shaw, Paxton Blk., Omaha, is Engr. for the proposed water-works, to be constructed here, to cost about $15,000.

PIERRE, S. DAK.—Bids were opened Sept. 17, at the office of the Commissioner of Indian Affairs, Interior Dept., Washington, for driving an artesian well at the Indian school, Pierre, S. Dak. But one bid was received, that of Norbeck & Nichol Co., Redfield, S. Dak.: $7.50 per ft., for the depth of 1,300 ft., $15 per ft. for greater depth to the extent of 150 ft. Time of completion, March 17, 1907.

BUFORD, N. DAK.—We are officially advised that bids were received as follows on Sept. 10, at the office of the U. S. Reclamation Service, Williston, N. Dak., for installing three transformers of 300 KW. capacity and eight motor-driven pumping units, with necessary electrical apparatus and water pipes, in pumping stations near Buford. H. A. Storrs is Electrical Engr., Williston. De Oliver Engineering Co., Philadelphia, Pa., $40,906; McCoy Engineering Co., Baltimore, Md., $47,790; N. S. Sherman Machinery Co., Independence, Kan., $52,580; Camden Iron Works, Camden, N. J., $40,574.

BILLINGS, MONT.—It is reported that plans have been adopted by City Council for a new water supply, to cost about $282,964, to include the construction of canals, a reservoir, power house, etc. Henry Gerharz is City Engr.

CHOUTEAU, MONT.—Bids are asked by the Teton Cooperative Reservoir Co., of Chouteau, until 10 a. m., Oct. 6, for the construction of canals and dams for irrigation and reservoir purposes, about 15 miles northwest of Chouteau, approximately estimated as follows: Diversion weir—75 lin. ft. log crib; 130 lin. ft. rock and brush dam; 106,000 ft. B. M. gates, cribbing, etc.; 500 cu. yds. excavation. Diversion canal—24,000 cu. yds. earth and gravel excavation. Storage dam—190,000 cu. yds. earth in place; 10,300 cu. yds. riprap; 230 lin. ft. rubble masonry, 6-ft. concrete arch culvert; 45 lin. ft. masonry shaft; 490 cu. yds. masonry; one 72-in. gate valve to work under 55-ft. head in place. South outlet canal—176,000 cu. yds. earth. North outlet canal—110,000 cu. yds. earth. Bids will be received for all or each part complete. James Sulgrove, Secy.; George W. Weed, Engr.

KANSAS CITY, MO.—Announcement is made by the American Light & Water Co., 103 New England Bldg., Kansas City, that it is "ready to sublet construction work for one sewer, 16 miles in length; one water-works pipe line 30 miles, and one water pipe line, six miles. All good work. Reliable contractors can get fair prices. Work begins at once. Also, can use one or two good construction superintendents."

TECUMSEH, OKLA.—R. J. Wox, City Clerk, advises us that contract for engineering and construction of water-works system has been let to the O'NEIL ENGINEERING CO., Dallas, Tex., M. Griffin O'Neil, Pres., at $50,949. The city will let contract for well about 2,500 ft. deep. Mr. O'Neil has been granted an electric-light plant franchise in Tecumseh. Noted on Sept. 6.

FREDERICK, OKLA.—Bids are asked until 2 p. m., Oct. 4, for furnishing all material and constructing a system of water-works for this town. The material will embrace the following: One well ten ft. in diameter and 40 ft. deep, walled with brick; one power house of gal. iron, 20 x 28 ft., with concrete floor; one single acting triple power pump, 8-in. plungers, and 10-in. stroke; one 20-HP. gasoline engine, for belt connections with power pump; 31 fire hydrants, 2 2½-in. nozzles, 2½-ft. burry; six 1-in. and six 4-in. gate valves; one 50,000-gallon tank on 100-ft. steel tower; 10,800 ft. of 6-in. and 8,500 ft. of 4-in. cast-iron mains. John Carr, Pres. Bd. W. P. Bullock, Engr., 110 Monroe Ave., Kansas City, Mo.

ADA, IND. T.—City will consider plans and specifications Oct. 9 for the construction of water-works and sewer system. A $40,000 bond issue will be voted for this purpose. J. P. Wood is Mayor.

ATOKA, IND. T.—Bids are asked by the Hon. W. Bassett, Mayor, until noon, Oct. 8, for all material needed in construction of a system of water-works. O'Neil Engineering Co., Dallas, Tex., is Engr. (Advertised, Engineering News.)

AULT, COLO.—Town will install a new system of water-works.

MONROVIA, CAL.—Citizens will vote on the question of issuing $80,000 of bonds to increase water supply, build a storage dam in Maple Canyon, sink new wells, etc. O. K. Parker, C. E., has submitted a report to the Board of Trustees regarding a municipal water system. In it he states that the "watershed of the city of Monrovia's canyon system has an area of 6.85 sq. miles, and by reason of its topography, is in proportion to its size one of the best in the Sierra Madre range." The defects which he finds in the system are: First, waste in conservation in the canyon, 30 inches, or 390,000 gallons per day; value at a conservative figure, $30,000; the waste is caused by faulty and clogged intakes and leaky pipes. Second, poor system of distributing pipes. Third, inadequate plant at the Chapman wells, and too small a main. The present available supply averages about 50 inches, or 650,000 gallons, daily, for domestic consumption, and about 100 inches, or 1,300,000 gallons, for irrigation. It will care for a population of 9,750 persons. The improvements advised by Mr. Parker would so augment the supply that it would remain a population of 15,000. The remedial measures and their respective cost, are: Remodeling city pipe system, $10,000; improving mountain pipe system, $5,000; rebuilding and remodeling Chapman pumping plant, $35,000; domestic storage reservoir in the canyon, $30,000 to $50,000, depending upon the height of the dam; total, $80,000 to $100,000.

SHELTON, WASH.—It is proposed to construct a concrete reservoir with a capacity of 100,000 gallons. J. B. Weddell, of Olympia, is Engr.

EGLINGTON, ONT.—Contract for erection of new water tower has been awarded to the POLSON IRON WORKS, cost, $7,040.

PORT ELGIN, ONT.—The following contracts were awarded for construction of water-works: Pipelaying, JOHN F. CONNOLLY, Toronto; pumping machinery, SMART-TURNER MACHINE CO., Hamilton, Ont.; steel storage tank, HUNTER BRIDGE CO., Kincardine, Ont.; cast-iron pipe, GARTSHORE, THOMSON CO., Hamilton; hydrants, valves, etc., CANADA FOUNDRY CO., Toronto. Total cost, $35,000. Willis Chipman, C. E., has charge of work.

PRESTON, ONT.—Bids are asked by C. R. Hanning, Town Clerk, until 6 p. m., Sept. 22, for the supply of material and for the trenching, backfilling and laying of about five miles of 12-in., 10-in., 8-in. and 6-in. cast-iron water pipe. Davis & Johnston, Berlin and Galt, Ont., are Engrs. Information concerning other contracts to be let will be published at a later date.

VICTORIA, B. C.—W. J. Dowler, City Clk., states that it is proposed to improve the water-works. C. H. Topp, of Victoria, is Engr.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

WATERVILLE, ME.—Bids are asked for constructing reinforced concrete sewer here; estimated cost, $5,000. Plans may be obtained of Percy H. Richardson, C. E., Portland, Me.

BOSTON, MASS.—The following bids were received Sept. 12 for the building of the Florence St. brook conduit between Forest Hills playground and Poplar St., West Roxbury. Patrick McGovern, $40,134; Metropolitan Construction Co., $40,850.15; W. J. Barry, $34,076.70; H. P. Nawn Contracting Co., $36,051.50; George Phillips, $33,790; T. F. Welch, $28,661.95; Bruno & Pettiti, $44,163.25; Peter W. Hill, $42,429.50; Timothy J. O'Connell, $31,105.75; A. Cefalo, $26,268.50; Coleman Bros., $47,934.50.

The following proposals were also received for building a sewer on Lee, Child and Verona Sts. and Caroline Ave., Jamaica Plain:

T. J. O'Connell, $8,677.25; Broderick & Donovan, $4,674.35; Allan Clarke, $9,672; Thomas F. Mahan, $11,021.75. John Leahy, Supt. Dept. of Sewers, also awarded the contract for the construction of the Stony Brook conduit to JAMES D. FALLON for $34,209.

PEABODY, MASS.—The following bids were received Sept. 4 for constructing section five of sewer in South Peabody: Bruno, Salamone & Pettiti, $16,382; James J. Welsh, Salem, $14,444; George W. Bryne & Co., $13,947; C. E. Trumbull Co., $13,774; Willard B. Bryne, Boston, $13,344.

MILFORD, N. Y.—JOHN J. TYNE, of Binghamton, N. Y., has been awarded the contract for the construction of the sewer system in this city.

FORT TOTTEN, N. Y.—LAWRENCE COLLINS, of Whitestone, N. Y., has been awarded the contract for constructing cement walks here at 19½ cts. a sq. ft. and 98 cts. per lin. ft. for steps and risers.

LANCASTER, PA.—STOLL & SONS, of Altoona, Pa., have been awarded the contract for constructing a concrete sewer in this city at a cost of $90,000.

PHILADELPHIA, PA.—A contract has been awarded to ROBERT LOMBARDI for $20,000 for constructing an extension of the Thomas Run sewer on Florence Ave., from 54th to 57th Sts., and to DAVID PEOPLES for reconstructing the old sewers through the grounds of Commercial Museum for $30,000.

BRACKENRIDGE, PA.—Bids are asked until 7 p. m., Sept. 25, at the Borough Clerk's office for the construction of various sewers. John Lang, Chn. Street and Sewer Com.

PITTSBURG, PA. — Ordinances authorizing a $70,000 bond issue for sewer extension has been approved.

SCRANTON, PA.—VINCENT O'HARA has been awarded the contract for the construction of the 20th ward sewer for $112,011.

BALTIMORE, MD.—Bids are asked until 11 a. m., Oct. 3, by the Board of Awards for the construction of a Testing Plant, laboratory and laying sewers. Wm. D. Platt is Chn. (Advertised, Engineering News.)

WASHINGTON, D. C.—The Commissioners of the District of Columbia have awarded contract for the construction of a sewer in Brightwood Ave., N. W., to the LYONS & KNOTT CO., 1301 Irving Pl., Brookland, Washington, D. C., at his bid of $10,564. The other bid was by E. G. Gummel, Eckington, D. C., at $11,158.50. Bids were opened Sept. 11.

The Commissioners of the District of Columbia have ordered the construction of the following sewers:

Park Pl., between Park Road and Manor Pl., N. W.; Manor Pl., between Park Pl. and Warder Ave., N. W.; Warder Pl., between Park Road and Manor Pl. A relief sewer is also to be constructed along the east side of Seventh St., N. E., between East Capitol and N Sts.

MONTGOMERY, ALA.—Bids are asked until Oct. 1, by R. S. Williams, City Treas., for constructing storm water sewers on various streets in this city.

WINCHESTER, KY.—The city will vote in November on a $40,000 bond issue for constructing sanitary sewer system.

PADUCAH, KY.—The THOS. BRIDGES' SONS of Wabash, Ind., have secured the contract for the sewerage system in this city. Contract price, $119,750.24.

PAINESVILLE, OHIO.—Bids are asked until noon, Sept. 24, by the Board of Public Service, for constructing the St. Clair St. sewer. H. P. Cumings is City Engr.

MASSILLON, OHIO.—The contracts for the construction of sanitary sewers in Albright and Prospect have been awarded to LEININGER & RHINE, and to SCHOTT & KRAFT for the Green St. extension work.

BROWNSBURG, IND.—Bids are asked by M. T. Hunter, until Sept. 29, for the construction of the Tavner-Neal drain. J. S. Moore is Supt.

BROOKVILLE, IND.—Bids are asked until Oct. 8, by the Commissioners of Franklin County for the construction of a public drain. Frank P. Flinn, is Supt. of Construction.

LEBANON, IND.—The commissioners of Boone Co. will soon ask for bids for the construction of the Anderson-Wilson ditch in Harrison township.

MT. VERNON, ILL.—Bids are asked until Oct. 1 for ½ mile of 10, 12 and 14-in. vitrified salt glazed sewer pipe and seven manholes and covers. Estimated cost, $20,000. G. E. Green is City Clk.; C. B. Wells is City Engr.

ARGENTA, ILL.—The city is contemplating the construction of a combined storm and sanitary sewer to cost about $35,000.

RACINE, WIS.—A sewer is to be constructed in 15th St., at an estimated cost of $29,104. H. P. Connolly, is City Engr.

DES MOINES, IOWA.—The J. W. TURNER CO. has been awarded the contract for constructing a 36-in. storm sewer on Locust St. from Ninth St. to the Des Moines River, for $7,500.

OTTUMWA, IOWA.—The city council has ordered that about 5,360 ft. of sewers be constructed in this city.

OTTUMWA, IOWA.—Bids are asked by the City Clerk, until 8 p. m., Sept. 24, for the construction of various clay pipe sewers. W. H. O'Malley, Chn. Street Com.

DES MOINES, IOWA.—Bids are asked by the Board of Public Works, until 11 a. m., Sept. 28, for the construction of a septic tank and sludge bed for northwest sewer system.

Bids are asked by the Board of Public Works, until 11 a. m., Sept. 29, for the construction of the north branch extension of the Ingersoll Run Sewer System. The work includes about 225 lin. ft. of 8-in. sewer, 12,028 lin. ft. of 10-in. sewer, 4,664 lin. ft. of 12-in. sewer, 1,361 lin. ft. of 15-in. sewer, 1,039 lin. ft. of 18-in. sewer, 688 lin. ft. of 24-in. sewer, 1,441 lin. ft. of 30-in. sewer.

BUHL, MINN.—The village council has plans for a sewer system to be constructed here at an estimated cost of $5,000.

MADISON, MINN.—The following bid was received by John B. Oadson, County Audr., for the construction of Ditch No. 5: O. F. Doyle, St. Cloud, Minn., $16,731.

JUNCTION CITY, KAN.—At a meeting of the city council the contract was awarded to W. W. COOK & SON to construct a sewer system that will extend throughout the city and be accessible from any building, at a cost of $74,919.71; other bids received were The R. J. Boyd Construction Co., Kansas City, Mo., $77,050; Municipal Construction Co., Kansas City, Mo., $82,500; Hanley & Ritchie, Topeka, Kan., $75,889; Ratclif & Gibson, St. Joe, Mo., $77,845; American Light & Water Co., Kansas City, Mo., $86,238; Davis & Heuser, Hutchinson, Kan., $81,886; and McQuatters Plumbing & Machine Co., Hillsboro, Tex., $78,000.

OMAHA, NEB.—Bids are asked until 2 p. m., Oct. 8 by Andrew Rosewater, City Engr., for the construction of various sewers in this city. (Advertised, Engineering News.)

NORFOLK, NEB.—A sewer system, for which O. P. HERRICK has been awarded the contract is to cost $19,000.

SIOUX FALLS, S. DAK.—A sewer is to be constructed in this city at a cost of $10,000.

GLENDIVE, MONT.—The City Council has awarded to JOHN M. BAER, of Appleton, Wis., the contract for the construction of the city sewer system for $8,900.

KANSAS CITY, MO.—The American Light & Water Co., 103 New England Bldg., Kansas City, is ready to sublet construction work for one sewer 16 miles in length, one water-works pipe line 30 miles, and one water pipe line 6 miles in length.

ST. CHARLES, MO.—The following bids were received Sept. 7 by C. H. Kausteiner, Clk., for constructing a sewer system, Municipal Construction Co., Kansas City, Mo., $77,500; Rackliffe Gibson Co., St. Joe, Mo., $70,750; H. H. Stead & Co., St. Charles, Mo., $73,763; J. F. McMahon, St. Louis, Mo., $68,895; W. F. HALL, Clinton, Mo., $68,800 (awarded contract); W. W. Cook & Son, Junction City, Kan., $70,500; McIntire Teese Construction Co., $73,603; N. S. Sherman, Oklahoma City, Okla., $75,018; McQuatters Plumbing & Machine Co., Hillsboro, Tex., $69,601.

NORMAN, OKLA.—A sewer system is to be constructed here at a cost of $20,000.

PORTLAND, ORE.—Bids are asked by W. D. Taylor, City Engr., until Sept. 23, for constructing storm sewer. Estimated cost, $34,000.

OAKLAND, CAL.—At a recent election it was decided by a decisive majority to issue $536,000 of bonds for the purpose of constructing the outfall sewer system.

SAULT STE. MARIE, ONT.—The contract for Section K of the sewerage system was awarded to J. H. McKNIGHT, of Toronto, at $33,000. W. F. Grant, Engr.

ALYMER, QUE.—At a special meeting of the City Council, on Sept. 11, the plans and specifications, prepared by E. J. Rambeth, C. E., for a sewerage system, were approved. The estimated cost is $46,000. The

plans call for a system with two outlets, with $21,450 ft. of pipe from 9 ins. to 20 ins. or $1.86 a ft.; also 64 catch-basins, 778 junctions, 79 manholes and trenches. 30-year debentures will be issued to cover cost of the system. Contracts will be let at once, and the system is expected to be in operation in a few months. M. Sayer is Mayor.

RED DEER, ALTA.—A by-law has been passed for a sewer system to be constructed here at a cost of $30,00. Willis Chipman, of Toronto, is Design. Engr.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—The following bids were opened, Sept. 11 for the construction of State roads in the following towns: Mansfield, Mass., Edward J. Rourke, $3,861; R. F. Hudson, $4,128. Pittsfield, Mass., Harman & Bro. $4,046. Hollisten, Mass., R. F. Hudson, $5,481; W. H. Mague Co., $4,870; Worcester Broken Stone Co., $5,350. Tewksbury, Mass., R. F. Hudson, $6,809; Fred E. Ellis, $6,752. Huntington, Mass., Amos D. Bridge, $4,731; W. L. Camarco, $4,391; Lane Construction Corporation, Conn., $4,045.

GREENWICH, CONN.—Bids are asked by E. S. Minor, Engr., for grading and macadamizing the section of State road between Nigger-Hale Hill and Byrom Bridge. Estimated cost, $34,000.

HARTFORD, CONN.—The contracts for paving sections of Maple, Franklin and Albany Aves. have been awarded as follows: Albany Ave., 1,571 ft., at $2.90 per ft., $4,555.59, A. C. STERNBERG & SON, West Hartford; Franklin Ave., 1,340 ft., at $2.90 per ft., $3,886, A. C. STERNBERG & SON; Maple Ave., 1,546 ft., at $3 per ft., $4,638, F. T. LEY & CO., Springfield, Mass.

OXFORD, CONN.—Bids are asked by the Board of Selectmen until 1 p. m., Sept. 22, for the grading of one section and the grading and graveling of another section of road.

NEW YORK, N. Y.—Bids are asked by the Park Board, Fifth Ave. and 64th St., until 3 p. m., Sept. 27, for grading and inclosing addition to the Willink Entrance to Prospect Park, Boro. of Brooklyn.

Bids are asked by J. A. Bensel, Commissioner of Docks, until noon, Sept. 28, for laying a temporary granite pavement on a portion of the newly made land easterly of the bulkhead wall at Rector St. section North River.

CORTLAND, N. Y.—JOHN WEBER & SONS, of New York, have been awarded the contract for building the Harford State road.

DUNKIRK, N. Y.—Contracts for paving Fifth and Wright Sts. and Railroad Ave., from Lion St. to Talcott St., have been awarded as follows: Fifth St., asphalt on 4-in. concrete foundation, MAYER BROS., of Erie, Pa., $26,701.21; Wright St., Jamestown shale paving block on 4-in. foundation, R. C. RUTHVEN, of Buffalo, $5,362.36; Railroad Ave., Jamestown shale paving block on 4-in. foundation, R. C. RUTHVEN, $13,845.82.

NEW YORK, N. Y.—Bids are asked until 3 p. m., Sept. 27, by the Park Board of the Dept. of Parks, for the construction of granite steps and balustrades on the Coney Island side of Prospect Park, in the Boro. of Brooklyn. Moses Herrman is Pres.

TROY, N. Y.—The contract for the construction of the East Nassau-Brainard Rensselaer road has been awarded to THOS. H. KARR, city, for $33,950.

WESTFIELD, N. J.—J. W. MANHATTAN, of Plainfield, N. J., has been awarded the contract for 36,500 sq. ft. of bluestone flagging for $8,223.

CAMDEN, N. J.—Bids are asked by the Board of Freeholders, until 11 a. m., Oct. 10, for construction of macadam road. Alfred L. Sayers, Director. (Advertised, Engineering News.)

WESTFIELD, N. J.—Bids are asked until Oct. 1, by the Town Council for furnishing and laying about 21,000 sq. ft. of bluestone flagging. A. W. Vars, Town Surveyor. (Advertised, Engineering News.)

ALTOONA, PA.—Bids are asked by the Board of Public Works until 7 p. m., Sept. 28, for resurfacing Green Ave. with vitrified brick. George W. Kuebler is Chn.

PHILADELPHIA, PA. — Contracts have been awarded for $1,000,000 worth of street paving and grading. The bidders were the Filbert Paving & Construction Co., of Baltimore, Md., and the Barber Asphalt Paving Co., of Buffalo.

SHAMOKIN, PA.—The SHAMOKIN CONSTRUCTION CO. has been awarded a $47,059 State contract to build an eight-mile macadamized road from Shamokin to Paxinos.

BALTIMORE, MD.—Following the decision of the Maryland Court of Appeals sustaining the Commissioners for Opening Streets in their right to select the paving material for any particular street, a contract for 26,025 sq. yds. of bitulithic has been awarded the WARREN BROS. CO., of Boston, Mass.

Bids were opened Sept. 11 by the Board of Awards for the paving of York road from North Ave. to the city limits. Specifications called for bids on Belgian block, bitulithic paving and 5-in. vitrified brick. Bids were as follows: Belgian blocks, (a) 5-in. sand or gravel base; (b) 6-in. broken stone concrete base: Patrick Keelty, (a) $2.63 per sq. yd., (b) $3.15; Patrick Flanigan, (a) $2.40, (b) $3.20; Patrick F. Reddington, (a) $2.43, (b) $2.91; Gantz Construction Co., (a) $2.59, (b) $2.84. Vitrified brick: Gantz Construction Co., $2.60. Bitulithic: Standard Bitulithic Co., $2.16; Warren Bros., $2.20.

WASHINGTON, D. C.—G. B. MULLIN has been awarded the contract for grading and improving Connecticut Ave. by the District Commissioners for $19,308.

CHASE CITY, VA.—Bids are asked until Oct. 1 for laying a brick sidewalk 2,200 ft. long and 4 ft. wide. J. W. Swift, A. J. Yancey and T. E. Roberts are on the committee.

ST. MARYS, W. VA.—The following bids were received for curbing, grading and paving Washington St. from Second to Fourth St. with brick: F. B. Archer, Bellaire, Ohio, with limestone curb, $7,112; with sandstone curb, $6,742; C. Skidmore, Parkersburg, W. Va., with limestone curb, $6,101, and with sandstone curb, same.

COLUMBUS, GA.—The city has authorized the paving of Warren St. and a part of Eleventh St. Bitulithic will be used.

MONTGOMERY, ALA.—Bids are asked until Oct. 1 by R. S. Williams, City Treas., for paving and otherwise improving Caroline St. from the south side of Clayton St. to north side of Mildred St.

NEW ORLEANS, LA.—Bids are asked by Chas. R. Kennedy, Comptroller, until 1 p. m., Sept. 24, for various paving, culverts and curbs in this city.

KNOXVILLE, TENN.—Bids are asked by the City Recorder, until noon, Sept. 22, for paving with bitulithic, asphalt, vitrified brick or other approved material various streets in this city. C. C. Nelson is City Recorder.

PIKEVILLE, KY.—City has voted the issuance of $20,000 of bonds for grading and improving streets and maintaining water-works.

CINCINNATI, O.—Bids are asked until noon, Sept. 28, by the Board of Public Service for paving and grading on Fifth Ave. M. J. Keefe is Clk.

Bids are asked by the Board of Public Service until noon, Oct. 8, for improving Werk Road. M. J. Keefe is Clk.

Bids were received Sept. 11 for paving with asphalt various streets in this city. The bids were as follows: Barber Asphalt Co., 1603 First National Bank Bldg., $12,600; Kirchner Construction Co., 8th and Plum Sts., $12,900.

CLEVELAND, OHIO.—The contract has been awarded by the Board of Public Service for grading and draining the east drive of the boulevard near the Fairmount Reservoir to WILLIAMS BROS. & MORSE CO. The contract amounts to about $52,000.

ELYRIA, OHIO.—Bids are asked by the Board of County Commissioners of Lorain County until 1 p. m., Sept. 21, for grading and macadamizing Center Road. O. E. Haserodt is County Auditor.

ELKHART, IND.—RAUKERT & EGGLESTON, of Mishawaka, have been awarded the contract for paving in this city.

BLOOMINGTON, IND.—Bids are asked by the Commissioners of Monroe County until 10 a. m., Oct. 3, for the construction of the following gravel roads: O. R. Woodsall pike, length 13,985 ft.; J. L. Adams pike, length 5,150 ft.; M. L. Fullerton pike, length 12,710 ft.; J. H. Campbell pike, length 11,555 ft. Samuel M. Kerr is County Auditor.

DECATUR, IND.—Bids are asked until Oct. 5 by the Commissioners of Adams County for the construction of a macadam road in Washington Township; also for the construction of a macadam road in Preble Township, said roads to be built with crushed stone. C. D. Lewton is County Auditor.

ROCKVILLE, IND.—Bids are asked by the Commissioners of Park County until 1 p. m., Oct. 1, for the construction of the following gravel roads in Greene Township: (1) Needmore & North Road, (2) the Spencer & Crook Road, said roads to be graded, drained, straightened, bridged and graveled. Also, on Oct. 4, 1906, 1 p. m., will receive bids for the construction of the Puet Road, in Wabash Township, by grading, draining, straightening, bridging and graveling; also for the construction of the Lay Ford and Larew Road, in Adams and Washington Townships. Henry Grube is County Auditor.

SALEM, IND.—Bids are asked until 1 p. m., Oct. 1, by the Commissioners of Washington County for the construction of the Salem and Sparks Ferry and Rush Creek Valley Roads, in Washington and Jefferson Townships. Frank E. Morris is County Auditor.

VALPARAISO, IND.—Bids are asked by the Commissioners of Porter County, until noon, Oct. 1, for the construction of gravel roads in said county. Stephen P. Corboy is County Auditor.

The following bids were received Sept. 3 by the Commissioners of Porter County for the construction of Lemster roads: CONOVER & TABOR, $18,990 (awarded contract), and McGillicuddy & Lemster, $18,994, and for the Worstell road, W. B. HUTCHINSON, Michigan City, Ind., $47,977 (awarded contract).

CHICAGO, ILL.—Bids are asked until 3 p. m., Oct. 8, by James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C., for changes in driveway at the U. S. post-office here.

PONTIAC, ILL.—The contract has been awarded A. D. THOMPSON, Peoria, Ill., for 10 miles of cement sidewalks, to cost $28,000.

DECATUR, ILL.—The Granite Bituminous Paving Co., of St. Louis, Mo., will construct 25,751 sq. yds. of bitulithic in Decatur, Ill.

WHEATON, ILL.—The FOULKES & FORBES CO., of Terre Haute, Ind., has been awarded the contract for the improvements to be made on the streets in this city for $60,000. The contract calls for about eight miles of curbing and about 3½ miles of macadam streets.

FOND DU LAC, WIS.—Bids are asked by the Board of Public Works, until 2 p. m., Sept. 22, for the improvement of Cherry St.

DES MOINES, IA.—Bids are asked by the Board of Public Works, until 11 a. m., Sept. 28, for laying a sheet asphalt pavement consisting of 3-in. asphalt binder course and 1½-in. asphalt wearing surface laid upon 5 ins. of hydraulic cement concrete foundation, on West Eleventh St., from the north lot line of Enos St. to the south curb line of University Ave.

LEAVENWORTH, KAN.—McGUIRE & STANTON have been awarded the contract for the curbing of Pine, Ottawa, Delaware, Kiowa, Third, Marshall and various other streets in this city at 35 cts. a lin. ft.

SOUTH OMAHA, NEB.—The following bids were received for the construction of various sewers in this city: For the Mud Creek main sewer, 28th and K Sts., Hannon & Craig, $166,445; NATIONAL CONSTRUCTION CO. (awarded contract), $165,180. For the Jetter Creek main sewer, Rackliffe-Gibson Construction Co., $48,005; Hannon & Craig, $48,597, NATIONAL CONSTRUCTION CO., $46,906 (awarded contract). For the 21st St. main sewer, National Construction Co., $7,873; Hannon & Craig, $7,428; JAMES JENSEN, 922 South 26th St., $7,216 (awarded contract). For the Highland Park main sewer, James Jensen, $11,523; National Construction Co., $11,525; HANNON & CRAIG, 430 North 24th St., $11,385 (awarded contract). N St. Gulch main sewer, Rackliffe-Gibson Construction Co., $34,662; HANNON & CRAIG, $32,350 (awarded contract); National Construction Co., $33,042. For the North Branch N St. Gulch main sewer, National Construction Co., $18,343; HANNON & CRAIG, $17,229 (awarded contract).

GALVESTON, TEX.—KELSO & VAUTRIN, 205 Tremont St., have been awarded contract, at $27,000, for paving ten blocks of street with vitrified brick.

BEAUMONT, TEX. — The BEAUMONT CONSTRUCTION CO. has been awarded the contract for curbing various streets in this city.

DENVER, COLO.—Bids are asked until Sept. 21 by the Board of Public Works for curbing, grading and surfacing in this city. J. B. Hunter is City Engr.

STEVENSON, WASH.—Bids are asked until 2 p. m., Oct. 1, by the County Commissioners of Skamania County for grading State Road No. 3 from the west boundary of Skamania to a point near Stevenson. A. F. Fleischauer is Clk.

HALIFAX, N. S.—The City Engineer has reported on the cost of constructing sidewalks, etc., on the following streets: Gerrish St., $13,800; Cornwallis St., $11,407; Russell St., $6,253; Young St., $7,100; Kaye St., $6,933.

GUELPH, ONT.—Bids are asked until Sept. 29 by Richard Mitchell, City Clk., for constructing cement walks.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

WATERVILLE, ME.—The contract for the erection of a 362 × 39 ft. addition to Maine Central R. R. Co.'s freight and passenger car shops has been awarded to the HORACE PURINTON CO., of this city.

WORCESTER, MASS.—E. J. CROSS, 82 Foster St., has been awarded the contract for the erection of an addition to the plant of the Norton Co. on West Boylston St. The addition will be used as a crushing building and will be of brick construction, 94 × 80 ft. four stories high. Estimated cost, $15,000.

ALTON, R. I.—The R. A. SHERMAN'S SONS CO., of Westerly, has been awarded the contract t. erect a large mill for the manufacture of lace for the Alton Mfg. Co. It is to be a 1-story brick building.

NEW HAVEN, CONN.—Plans are being prepared for F. P. Phleghar & Son for a 4-story building, 60 × 260 ft. to be built of concrete blocks.

ALBANY, N. Y.—The Central Consumers' Brewing Co. has been incorporated with a capital of $12,000,000. Fred. Blasenbrey, Brooklyn; William Scheck, Jr., West Nyack, N. Y., and Walter Moffat, New York, are the incorporators.

SYRACUSE, N. Y.—It is reported that the Crucible Steel Co. will build two sheet mills, 190 × 200 ft. to be of structural steel, at a cost of $150,000.

ALLENTOWN, PA.—Plans are being prepared by A. W. Leh, Bethlehem, Pa., for a 2-sty brick, stone and steel addition of fireproof construction, for the Horlacher Brewing Co.

BERWICK, PA. — The American Car & Foundry Co. will spend $100,000 in improving its plant at this place.

MARIETTA, PA.—Plans are being prepared for John H. Shillon for a 1-story brick and concrete ice plant.

PHILADELPHIA, PA.—Bids are asked by the Green Box Co., 1033 Bodine St., for a 2-story brick factory building, 80 × 100 ft., to be erected at Tioga and Memphis Sts. Power and special equipment will be required.

Plans are being prepared by Otto C. Wolf, Arch., 1025 Arch St., for a 5-story brick, concrete and steel brew house of fireproof construction to be erected at Second and Edward Sts. for the C. Schmidt & Sons Brewing Co.

COLUMBUS, PA.—Bollinger Bros., Engrs., 925 Fulton Bldg., Pittsburg, Pa., have prepared plans for a 4-story fireproof brick, steel and concrete brewery for a company just organized, at Columbus. $100,000. H. Holtman, Harrison Bldg., Columbus, is promoter.

READING, PA.—Plans are being prepared by Wm. A. Fink, Arch., 426 Franklin St., for a 5-story, brick factory for the Wide Awake Shirt Co. It is to be a building 100 × 135 ft. and to cost about $50,000. Power plant and special machinery will be required.

S. S. Miller, 238 Walnut St. is ready for bids for a 2-story brick hosiery mill. Estimated cost, $20,000.

RILLTON, PA.—George Bast, Arch., has prepared plans for a 2-story frame and iron facing mill, to be built at Rillton, for S. Obermaier Co., 35th St., Pittsburg. Estimated cost, $15,000.

YORK, PA.—The York Mfg. Co. is preparing plans for a 1-story concrete, brick and steel addition, 60 × 800 ft., to its foundries.

NEWARK, DEL.—Bids are asked by the American Vulcanite Fibre Co. for a 1-story brick and frame factory, 80 × 180 ft. Power equipment is to be installed.

MIDDLETOWN, DEL.—Cook & Brady are ready for bids on the construction of a 2-story, reinforced concrete creamery, 40 × 180 ft. Power equipment, dairy machinery will be required.

BALTIMORE, MD.—[illegible]-story brick and stone addition, 40 × [illegible] will be erected to the Rice Bakery, on [illegible] near Front St. Estimated cost, $15,000.

Simonson & Pietsch, [illegible]hs., American Bldg., have plans for a [illegible] service building, 30 × 90 ft., for the [illegible] Railways Co. at its Light St. car barn [illegible] to be of brick and stone. Estimated [illegible] $35,000.

CHARLESTON, W. VA.—[illegible] T. Thayer, O. A. Thayer, J. A. Thayer, [illegible] Crawford and J. E. Crawford have in[illegible]rated the Acme Machine Works with $50,[illegible] capital stock.

McADENVILLE, N. C.—[illegible] McAden Mills are to be enlarged by an[illegible] cotton factory to have 10,000 spindles, [illegible] complementary machinery to cost about $[illegible]. The McAden Co. will also replace [illegible] old looms with modern weaving machines.

SUMMERVILLE, GA.—Summerville Cotton Mills has been organized with capital stock of $150,000 to build the [illegible] factory referred to last week. The company will erect buildings large enough to hold [illegible],000 spindles, but probably only 4,000 spindles and 120 looms will be installed to begin manufacturing; duck is to be the product. Plans and specifications are being prepared by Lowell (Mass.) Machine Shops, and construction contracts will be let about October 1. John D. Taylor is Pres.; E. W. Sturdivant is Vice-Pres., and E. N. Martin is Sec.

JACKSONVILLE, FLA.—A company is being organized with $100,000 capital stock by D. G. Purse of Savannah, Ga., and associates to establish plant for vulcanizing wood. Later it is proposed to organize a number of smaller companies throughout the State, which will be financed by the company now being organized.

BIRMINGHAM, ALA.—Birmingham Box & Veneer Co. has been incorporated with $25,000 capital stock for the manufacture of box, crate, drum and slack barrels, baskets and veneers. Hervery R. Gill, recently of Columbus, Ohio, is Pres.

MONTGOMERY, ALA.—COOK & LAURIE CONTRACTING CO. has been awarded the contract to erect shops for the Atlanta & West Point R. R., and the Western Ry. of Alabama. C. A. Wickersham, Atlanta, Ga., Gen. Mgr. About $200,000 will be expended.

West-Stegall Grain & Commission Co. has been incorporated with $25,000 capital stock to operate cornmeal and feed mill. C. W. Stegall is Pres.; J. T. West is Vice-Pres. and Gen. Mgr., and W. D. Stegall is Secy.-Treas.

HAMMOND, MISS.—With a capitalization of $75,000, the Hammond Woolen Mills, backed by C. N. George, J. A. Lackey, W. C. Fontaine and other capitalists of Chicago, will build in Hammond at an early date a cotton mill.

COPENHAGEN, TENN.—A cement plant is to be erected here at a cost of $1,000,000 by capitalists from Kansas.

CLEVELAND, OHIO.—It is reported that C. H. Bowman, President of the Great Lakes Dredging Co., is completing preparations for the construction of a $50,000 shipbuilding plant.

BREWSTER, OHIO.—The contracts for the erection of the car shops for the Wheeling & Lake Erie R. R. Co. at a cost of about $1,000,000 have been awarded through the Pittsburg office. B. W. Griffith is Supply Agt.

FT. WAYNE, IND.—The Cramer Knitting Mills Co. has been incorporated at $150,000, and will construct, establish and equip mills and factories in this city. George B. Cramer, Wm. M. Griffin and G. W. Pixley are Directors.

ELKHART, IND.—The Sanitary Steel Couch Co. has been incorporated with $100,000 capital stock, and will establish a large factory here. W. S. Snyder, C. A. Sidway and A. W. Underwood are Directors.

GARRETT, IND.—The Garrett Machine Works Co. has been incorporated to establish a factory for the manufacture of gasoline engines. Hal. Strouse, Jno. Bloom and F. K. Morris are Directors.

MOORESVILLE, IND.—The Town Board has decided to build and operate a municipal ice plant. Bids will be in order later on.

COLUMBIA CITY, IND.—The Wayne Knitting Co. of Ft. Wayne will construct and equip a branch factory in this city and another at Auburn, Ind.

DETROIT, MICH.—J. G. Kastler & Co., Archs., have let the mason contract to HENRY CAREW for the Independent Brewery Co.'s brewery. $100,000. See Detroit Building Notes.

Joseph H. Berry is formulating plans for the formation of a new blast furnace company in this city, with an initial capital of from $1,000,000 to $2,000,000. The new plant is to be erected on the river front at the eastern terminus of the Detroit Terminal Railroad, now being constructed. Wharves are to be built out into the river to the deep main channel for unloading iron ore, and for coal boats, providing the plans are consummated. Detroit will have three big iron furnace enterprises of the $1,000,000 capitalization class.

HOUGHTON, MICH.—It is reported that a reduction plant is to be erected here.

BEACH GROVE, ILL.—The Big Four System has had plans prepared for railroad shops, to be erected here of brick and steel, at an estimated cost of $125,000. Mr. Garstang, Supt. of Motive Power, Indianapolis, Ind.

CHICAGO, ILL.—L. G. Hallberg, Arch., 84 La Salle St., has let the plumbing contract for a factory building to be erected at Fillmore and Douglas Park, for Price Baking Powder Co., 184 Michigan St., to Gay & Colliotan, 50 N. Clark St. To be four stories high, 75 × 120 ft., built of brick and reinforced concrete. Estimated cost, $100,000.

HOOPESTON, ILL.—The investigation that the Department of Agriculture is making here proves that the large quantities of corncobs which every year have gone to waste can be converted into alcohol in sufficient quantities to justify the erection of a distilling plant in connection with a corn cannery.

CUDAHY, WIS.—The big packing plant of the Cudahy Bros. Packing Co. was partly destroyed by fire. Estimated loss is $400,000. The building will be rebuilt at once.

ST. PAUL, MINN.—Reed & Stem, Archs., 608 Endicott Bldg., have let the general contract for constructing the pressed brick and concrete building for the Malleable Iron Works, on Wells and Forrest Sts., to BUTLER BROS., 1004 New York Life Bldg. It will be 110 × 900 ft., one story high. Estimated cost, $100,000.

The contracts for the erection of the factory for the H. L. Collins Co. has been awarded to OLAF SWENSEN. Estimated cost, $100,000.

DALLAS, TEX.—It is reported that the Harry Bros. Co. will erect an additional factory. It is to be 50 × 150 ft. of brick. Eaves, troughs, conductor pipes, ridge roll, well castings, pressed elbows, etc., are to be manufactured. Estimated cost $25,000.

SHERMAN, TEX.—The Sherman Manufacturing Co., capital, $150,000, has been chartered here; purpose, manufacturing of textile goods. The incorporators are H. W. Fairbanks, H. G. Fairbanks, J. T. Howard.

ST. LOUIS, MO.—The Lemp Brewing Co. will erect a new building, at a cost of $110,000.

SEATTLE, WASH.—The German-American Knitting Co. has been incorporated with a capital of $100,000 for the purpose of erecting a factory for the manufacture of shawls, underwear and blankets.

IRONDALE, WASH.—James A. Moore and associates have purchased the Pacific Steel Co.'s plant at Irondale, on Townsend Bay, five miles from Port Townsend. Mr. Moore paid $40,000 for the property and will take immediate steps to expend $100,000 more in improvements.

ABERDEEN, WASH.—R. P. HARPER has been awarded the contract for the erection of a 2-story 34 × 170 ft. ice and cold storage plant for the Sea Beach Packing Works. Estimated cost, $12,000. G. B. Ried is Arch. G. S. Halperty is Mgr.

PORTLAND, ORE.—A large 4-story addition is being planned for the plant of the Acme Milling Co. Estimated cost, $22,000.

WALLACE, IDAHO.—A concentrating plant is to be erected here by the Tamarack & Chesapeake Mining Co. Eugene R. Day is Mgr.

LEAMINGTON, ONT.—The town is offering a $15,000 loan for the establishment of an American automobile factory here.

GODERICH, ONT.—The Lloyd Manufacturing Co., of Minneapolis, is reported to be negotiating with the town for privileges to establish a factory at this place.

STRATFORD, ONT.—J. Russell, Arch., has prepared plans for a large planing mill, on Milton St., for T. M. Ruston. The building is to be two stories high, of white brick, 125 × 65, to cost $10,000.

GLACE BAY, N. S.—It has been proposed to extend the building of the wireless station here and add a mechanical department for the manufacture of Marconi apparatus to cost about $40,000.

MONTREAL, QUE.—William Clark, pork packer, is preparing to erect a new factory at 83 Amherst street, cost, $28,000.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DRAINAGE.—Butler, Mo.—It is reported that bids will be received, until Oct. 10, by the County Clerk for $370,000 of drainage ditch bonds.

WHARF.—Jersey Cove, N. S.—Bids are asked by F. Gelinas, Secy. Dept. Public Works, Ottawa, until Sept. 28, for construction of a wharf and approach.

WHARF, DREDGING.—Fort Hunt, Va.—Bids are asked, until noon, Oct. 12, for the construction of a wharf, dredging a channel and the construction of a wharfhouse at Fort Hunt, Va.

CONCOURSE ENTRANCE.—New York, N. Y.—Bids are asked, until Sept. 20, 3 p. m., for erection and completion of a concourse entrance in the New York Zoological Park in Bronx Park. Moses Herrman, Pres. Park Dept.

DRAINAGE.—Fargo, N. Dak.—The Cass County Drainage Board has let the contract for the construction of the Kinyon drain to CHARLES A. ROBERTS, at $18,000. The drain will be about 5½ miles long and extends through Noble and Wiser townships.

DREDGING.—Scranton, Miss. — BOWERS SOUTHERN DREDGING CO., Galveston, Tex., has contract at $75,000 for dredging a channel in the Pascagoula River in Eastern Mississippi, six miles long, a portion to be 300 ft. wide and the balance 150 ft. wide.

SEA-WALL.—Philadelphia, Pa.—The bid of the EDWARD F. FONDER CO., 1116 Land Title Bldg., $39,000, has been accepted for the construction of a sea-wall adjacent to dry dock No. 2 at the Navy Yard at League Island. Full list of bids was given last week.

DRAINAGE.—Cisco, Ill.—Bids are asked, until noon, Oct. 10, by Drainage Commissioners of Union Drainage District No. 2, Town of Willow Branch and Goose Creek, Piatt County, for drainage work. W. J. Day, Bement, Ill., is Engr. (Advertised, Engineering News.)

CONCRETE DOCKS, ETC.—Portland, Ore.—Four and 6-story brick warehouses and concrete docks are to be erected by the Willamette Dock Co. on the East Side water front, according to E. A. Baldwin, McKay Bldg., Pres. of the organization, which has filed articles of incorporation, with a capital of $150,000.

READERS' WANTS FOR THOSE IN THE MARKET The readers of ENGINEERING NEWS are constantly in the market for great quantities of machinery, tools and general supplies. While our thousand advertisers are usually able to furnish the material desired, yet there are many things wanted by our readers that are not advertised, although connected with engineering and contracting directly or indirectly. This department (R-W) is for this class of inquiries, and we urge our readers to keep us informed. Enclose five cents in stamps and we write to a number of leading manufacturers without further cost. When writing to our advertisers, who are the leaders in their respective lines, mention Engineering News. Have you a copy of our Buyers' Guide? Engineering News Can Help Buyers.

SUCTION HOSE.—Rochester, N. Y.—Thomas Holahan & Co., 210 Ellwanger Bldg., Rochester, N. Y., inform us that they desire to purchase 4-in. suction hose.

CONCRETE MACHINERY.—New York, N. Y.—M. E. Davis, 13-21 Park Row, New York, informs us that he desires catalogues, prices and other information relative to concrete machines suitable for building country houses and stables.

CHIMNEY.—Newfane, N. Y.—We are in receipt of a letter from the Lockport Felt Company, Newfane, N. Y., in which it states it is in the market for a brick-lined steel chimney.

STEAM SHOVELS.—Washington, D. C.—J. F. Donohoo, Bond Bldg., Washington, D. C., informs us that he is in the market for five model 60 Marion shovels and three type 3 Thew shovels.

UNDERGROUND WIRING.—Portland, Ore.—The announcement is made by H. W. Goode, Pres. and Gen. Mgr. of Portland General Electric Co., that this company will take the electric light and power wires in the business section of the city from overhead and place them underground, at an expense of $500,000.

DREDGING AND FILLING IN.—Philadelphia, Pa.—Bids are asked until 11 a. m., Oct. 6, for dredging and filling in at the reserve basin, League Island Navy Yard, Pa. Mordecai T. Endicott, Ch. Bureau Yards and Docks, Nevy Dept., Washington, D. C. Specifications may be seen at office of Engineering News, New York.

SUBWAY.—Louisville, Ky.—The "Post" states that the Louisville & Nashville R. R. Co. has notified Mayor Barth that it will contribute $44,000 toward the building of the Oak St. subway under its tracks between Eighth and Tenth Sts. The Illinois Central R. R. Co. has already agreed to pay $58,000 for the subway under its tracks.

REPAIRING SEA-WALL, ETC.—Newport, R. I.—Bids are asked, until 10 a. m., Oct. 2, by H. T. B. Harris, Paymaster-Gen., U. S. N., at Bureau of Supplies and Accounts, Washington, D. C., for the following work at the Naval Torpedo Station, Newport, R. I.: Repairing sea-wall, extensions of compressor room and tin shop, and erection of paint shop.

NAVAL SUPPLIES.—Washington, D. C.—Bids are asked by H. T. B. Harris, Paymaster-Gen., U. S. Navy, until 10 a. m., Oct. 9, for supplying various supplies at several navy-yards, including a sand-blast outfit, one wooden box car, drills, hoisting engine, crushing machine, crane, high-speed lathes, etc., under schedules 147, 148, 149, and 150.

Bids are also asked until 10 a. m., Oct. 2, for various naval supplies.

TUNNEL.—Pittston, Pa.—The contract for construction of a tunnel that will extend from the Susquehanna River a short distance above Mill St., Pittston, to the highest point in Cork Lane, a distance of 4,400 ft., and that will be used to drain all of the collieries of the Pennsylvania and Erie Coal Companies in that immediate vicinity, has been awarded to SAMUEL HAYDEN, of Dunmore, Pa. Total cost will be about $75,000.

CONCRETE WALL.—Skaneateles, N. Y.—Bids are asked by N. V. V. Franchot, Supt. Public Works, Albany, N. Y., until noon, Sept. 28, for constructing concrete protection wall on west side of the Skaneateles Lake outlet, Skaneateles, Onondaga County, N. Y. The work includes: Bailing and draining; 530 cu. yds. excavation; 6,000 lin. ft. bearing piles, delivered; 5,700 lin. ft. bearing piles, driven; 1,000 cu. yds. second-class concrete, including coping; 3,350 sq. ft. expanded metal.

DRAINAGE TUNNEL.—Colorado Springs, Colo.—The company of mining men formed to build a new drainage tunnel in the Cripple Creek district has perfected an organization and decided on the form of a contract for the various mining companies. Of the $750,000 needed to carry out the project $550,000 has either been raised or is pledged, and work will be begun in the near future. Sherwood Aldrich is Pres. of the company; F. G. Peck, Vice-Pres.; S. S. Bernard, Secy.; F. F. Castello, Treas., and E. B. Marr, Assistant Secy.

TUNNEL, GRADING.—Helena, Ala.—The Louisville & Nashville R. R. Co. is preparing to expend more than $1,000,000 in reducing the grade between Helena and Parkwood, about 20 miles from Birmingham, Ala. An entirely new route has been surveyed and work of clearing the right-of-way is in progress. There is a heavy grade between the points and this is to be overcome by tunneling Shades Mountain. The tunnel will be 1,400 ft. long and will cost about $200,000. The new line will be double-tracked. W. H. Courtenay is Ch. Engr., Louisville, Ky.

FILLING-IN WORK.—Elmira, N. Y.—The Kennedy Valve Mfg. Co., which is now building a new plant at Elmira, N. Y., on a site of 20 acres, has completed foundations for 1,000 sq. ft. of building. All of these foundations are built eight ft. from the present ground level. The company is now in the market for contractors, and is inviting bids for the filling-in of same to the extent of about 30,000 to 35,000 cu. yds., and will be pleased to hear from contractors who would like to figure on this filling-in and will give them all the information necessary. Address 411 Realty Bldg., Elmira, N. Y.

PARK RESORT.—Albany, N. Y.—The lease of the pleasure park, known as Lagoon Island, situated on the Hudson River, between Albany and Troy, has been sold to a number of Albany capitalists headed by William Bookheim & Sons, of 230 South Pearl St., Albany. It is intended to spend about $100,000 in improving the park and transforming it into an up-to-date pleasure resort with attractions similar to those at the Coney Island resorts.

TUNNEL.—San Francisco, Cal.—The Western Pacific R. R. Co., on its line now being built between Salt Lake City, Utah, and San Francisco, about a year ago decided to have a $4,000,000 tunnel through the Geshute range in Eastern Nevada, near Flower Pass. The tunnel was to have been 12,085 ft. long. It has now decided to reduce the length of this tunnel to 6,500 ft. It is to cost $2,000,000 and will be completed within ten months. By its construction six miles of trackage will be cut off and grades reduced to .8 of 1% over the Geshute range. Virgil Bogue is Ch. Engr., San Francisco.

DREDGE.—Philadelphia, Pa.—The "North American" on Sept. 14 stated that "to enable the city to dredge its own docks and shoal places that may appear in the river channel, James M. Hazlett yesterday introduced an ordinance in Select Council to construct a dredge at a maximum cost of $225,000. The ordinance was referred to the Committee on Commerce and Navigation. By the terms of the Hazlett ordinance, the dredge itself must be of a hydraulic type. Its actual cost is estimated at $190,000, together with about $10,000 for shore apparatus. The balance necessary to bring the amount to $225,000 is for any emergencies or changes that might make the cost greater."

SUBWAY.—San Francisco, Cal.—Reed & Co., 44 Market St., have filed a communication with Board of Supervisors, reviewing their propositions of July 13 to construct a subway at the lower end of Market St., extending from the ferries to Third St. This firm, which had previously offered to accept city bonds in payment of the estimated cost of the proposed work, is now willing that such bonds should bear 4% interest, instead of 5%. The estimated amount of money needed for the work is $5,000,000. The communication will in due course be referred to the Public Utilities Committee. The original proposition was passed on by the Board of Public Works that it might be looked into and reported on by the City Engineer, who would have it under consideration.

PIER.—Sewells Point, Va.—We are officially advised that bids will be received about Oct. 15 by Capt. Spencer Cosby, Corps of Engrs., Washington, D. C., for double pier to be built by the Government at the Jamestown Exposition site. In general the pier will consist of reinforced concrete bulkheads for side walls and filled in solid with the material excavated from the basin. There will also be a reinforced concrete arch spanning an opening of 150 ft., which forms the entrance to the basin. The heads of the piers will be surmounted by towers to be erected of lumber with staff, and in addition there will be a number of ornamental staff details for railing, etc. Dredges, pile drivers, concreting machinery, etc., probably will be required. Sydney B. Williamson, Equitable Bldg., Baltimore, Md., is Engr.

CANAL WORK.—Billings, Mont.—The Secretary of the Interior has awarded contract to JESSE W. CROSBY, JR., of Cowley, Wyo., for the completion of construction of a portion of the work in connection with the Corbett tunnel, Shoshone irrigation project, Wyo. Mr. Crosby was a sub-contractor under Charles Spear, of Billings, Mont., whose contract for the construction of the Corbett tunnel was suspended by the Secretary of the Interior on Aug. 4. The work for which Mr. Crosby contracted consisted of connecting the lower end of the Corbett tunnel with the Garland Canal, involving the construction of a dam, settling basin and spillways in a ravine, and a deep cut through the bank on the lower side. His contract with the government involves $23,740 and calls for the excavation of 24,000 cu. yds. of earth excavation, 3,100 cu. yds. of rock excavation, together with paving, gravel filling, etc.

PURCHASE OF SUPPLIES.—Navy Department.—The Acting Secretary of the Navy Department, Hon. Truman H. Newberry, has issued the following letter to the chiefs of the various bureaus of the Navy Department, and to the Superintendent of the Naval Academy, and the Commandant of the Marine Corps: "Navy Department, Washington, Aug. 31, 1906. Gentlemen—Referring to the Department's circular letter of the 26th ultimo relative to open purchases, it is directed that hereafter no purchase for the public service be made without advertisement and competition, where the value of the article to be procured exceeds $500, without the approval of the Department previously obtained, except in cases of such emergency that the exigencies of the situation will not admit of communication with the Department prior to the purchase. In all cases of such emergency report will be made to the Department immediately after the conclusion of the transaction, showing the article procured, the value thereof, and the reasons for making the purchase without advertisement and competition. The foregoing instructions are not to be understood as making any changes in the present practice relative to open purchases in Alaska or at places outside the continental limits of the United States. Monthly reports will, however, be made to the Department showing all such purchases made without authority previously obtained and giving the reasons therefor. Very respectfully, Truman H. Newberry, Acting Secretary."

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

LIGHT STATION.—Alaska.—Twenty-five thousand dollars has been appropriated toward constructing light and fog-signal station at Hinchinbrook entrance, Port William Sound. Total cost is to be $125,000.

LOCOMOTIVES.—Panama.—D. W. Ross, Gen. Purchasing Officer of the Isthmian Canal Comn., Washington, has awarded to the BALDWIN LOCOMOTIVE WORKS, Philadelphia, contract for furnishing 40 Mogul freight locomotives, at a lump sum of $475,200.

RAILROAD SUPPLIES.—Panama.—Bids are asked until Sept. 28, 10.30 a. m., at the office of the General Purchasing Officer of the Isthmian Canal Commission, Washington, D. C., for the following railway supplies: 40,000 splice bars; 350,000 tie plates; 22,000 lbs. track bolts; 180,000 lbs. spikes; 70,000 nut locks; 6,360,000 lead disks, ⅝-in. diameter.

EARTH-SPREADERS.—Panama.—D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, has rejected all bids on circular 324A, for ten earth-spreaders, in accordance with cable advices from Chief Engr. Stevens, on the Isthmus, who states that the machines specified on this circular are too light for the work. Plans and specifications will be prepared calling for a heavier spreader and readvertisement made as soon as possible.

ENGINEERING SUPPLIES.—Panama.—Bids are asked until 10.30 a. m., Oct. 2, by D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for a quantity of engineering supplies. The following are of especial interest: 20,000 bbls. Portland cement; lumber for repairing engines and flat cars; 11 drill presses of various designs; complete automatic fire alarm telegraph system; 26,400 ft. hard drawn braided insulated copper wire; 1,200 ft. standard cast-iron bell and spigot water pipe, 10-in.; 56,000 lbs. lead pipe; 18 differential chain hoists.

LUMBER.—Panama.—Bids were opened Sept. 8 at the office of D. W. Ross, Gen. Purchasing Officer, Isthmian Canal Comn., Washington, for 8,510,000 ft. B. M. of lumber. The following bids were received: A. S. Bacon & Sons, Savannah, Ga., $329,687.50; A. E. Baird Lumber Co., Nashville, Tenn., $377,850; Central Coal & Coke Co., Kansas City, Mo., $258,695; Continental Lumber Co., Houston, Tex., $279,250; Gamwell & Wheeler, Seattle, Wash., $272,824; Wm. D. Gill & Sons, Baltimore, Md., $276,626.75; D. L. Gillespie & Co., Pittsburg, Pa., $269,011.50; C. B. Howard Co., Emporium, Pa., $340,000; Long Bell Lumber Co., Kansas City, Mo., $256,820; Southern Saw Mill Co., New Orleans, part of proposal only; Chicago Lumber & Coal Co., St. Louis, $250,230; PANAMA LUMBER & TRADING CO., New Orleans, $234,741.65; Turnbull-Joyce Lumber Co., Chicago, $249,100; W. R. Grace & Co., New York, part of proposal only; W. C. Rodgers, Hattiesburg, Miss., $243,235.

MEXICO.

The names of parties awarded contracts are printed in capital letters.

BEET SUGAR.—Mexico.—I. C. Thoreson, of Logan, Utah; W. M. Roylance, of Provo, Utah, and associates, have secured the exclusive right to manufacture beet sugar in the Republic of Mexico. By the terms of the concession the concessionaires agree to build at the most suitable point in Mexico a beet sugar plant to cost not less than $500,000. They are to have two years to submit their plans and five years after the plans of the factory have been approved to complete their plant. For ten years the plant and all equipment are to be free from direct taxation of any sort. All machinery for the factory and all the electrical equipment are to be admitted to Mexico free of duty. It is provided in the concession that the company shall have the right to select, free of charge, public lands in the republic not otherwise occupied, that it may need.

WATER POWER.—Mexico City.—The Mexican Congress has granted an additional concession to the Mexican Light & Power Co. under the terms of which that company is given the right to use the waters of several more streams in the neighborhood of Necaxa for generating electric power. By the use of these waters, the total available horse-power of the company will be increased to 180,000 HP. This company recently entered into a contract with the municipal authorities of Mexico City whereby it undertakes to furnish the necessary power and operate the motors that will be employed in conducting the waters of Xochimilco into the city. The contract is for a period of 20 years. The company will operate four pumps, using 2,500 HP. The installation of these pumps will be completed in about 18 months and a supply of pure water furnished from the new source. This company recently purchased the Tuxipango water power of the Rio Blanco, located near Orizaba. It is intended to develop 30,000 HP. from this waterfall and conduct it to the city of Puebla.

RAILWAY.—City of Mexico.—It is reported that the American Loan & Trust Co., of Boston, has arranged to underwrite $40,000,000 of the bonds of the Mexico, Oaxaca & Yucatan Ry. Co., and that W. G. Beaver, Pres. of the company, will take steps to secure the necessary concession for the construction of the road, from the Mexican Government. It is proposed to construct the road from the City of Mexico to Merida, Yucatan and Belize, Honduras, and under the terms of its charter the company is authorized to issue $60,000,000 in bonds, at the rate of $20,000 per mile. As now planned the road will run from the City of Mexico to Oaxaca, and then to Santa Lucrecia, on the Tehuantepec National line, thence to San Juan Bautista, Tabasco, and to Concepcion, from which latter point one line will be built to Merida, Yucatan, and another to Belize, Honduras.

The company will receive a subsidy of $8,000 per kilometer for the main line, between Oaxaca, Merida and Belize, or a total of about 1,500 kilometers. It is stated that Mr. Seaver has already closed contracts with the BALDWIN LOCOMOTIVE WORKS for 100 locomotives of various types. The officers of the company are: Pres. and Gen. Mgr., W. G. Seaver, New York; Vice-Pres. and Asst. to the Pres., José Castellot, Mexico City; Chief Engr., Roswell E. Briggs, Mexico City; Supt. of Const., W. S. Carter, St. Louis, Mo.; Secy. and Purchasing Agt., R. C. Fraser, New York.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

*EMBANKMENT.—Boston, Mass.—Bids in detail were received as follows on Sept. 10 for building Section 5 of the Boston marginal conduit and Section 1 of the Boston embankment, Hiram A. Miller, Ch. Engr., Charles River Basin Comn. The bidders were: (1) Coleman Bros., Charlestown, Mass; (2) Patrick McGovern, Boston; (3) Hugh Nawn Contracting Co., Boston; (4) Holbrook, Cabot & Rollins Corporation, Boston; (5) Metropolitan Contracting Co., Boston; (6) General Supply & Construction Co., New York, N. Y.; (7) William L. Miller, Boston.

BIDS RECEIVED ON SEPT. 10 FOR MARGINAL CONDUIT AND EMBANKMENT, AT BOSTON, MASS.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
160 lin. ft. earth excavation and refill (near Cambridge St.)	$20.00	$8.00	$11.50	$20.00	$15.00	$36.00	$21.50
280,000 cu. yds. earth filling, Class A (ordinary earth)	0.27	0.27	0.35	0.32	0.40	0.45	0.39
25,000 cu. yds. earth filling, Class B (clean earth)	0.50	0.45	0.45	0.40	0.57	0.54	0.60
55,000 cu. yds. earth filling, Class C (sand and gravel)	0.50	0.50	0.50	0.58	0.55	0.40	0.75
200,000 lin. ft. piles in place (45 ft. or less in length)	0.14	0.18	0.17	0.17	0.23	0.18	0.16
7,000 lin. ft. piles in place (over 45 ft. in length)	0.20	0.25	0.21	0.20	0.30	0.20	0.24
32,000 lin. ft. driving piles at an inclination (additional price)	0.03	0.04	0.02	0.03	0.02	0.21	0.02
3,000 lin. ft. drains	0.60	0.75	0.65	0.60	0.50	1.00	0.75
4,700 cu. yds. concrete masonry (1:2½:4½ in conduits)	8.00	8.00	7.50	8.00	9.00	10.00	13.50
1,600 cu. yds. concrete masonry (1:2½:4½ in wall)	7.00	8.00	7.50	12.00	9.00	7.70	9.00
400 cu. yds. Ashlar masonry, except for copings	16.00	18.00	17.00	18.50	25.00	21.00	17.00
500 cu. yds. Ashlar masonry for copings	30.00	31.00	19.00	25.00	27.00	24.00	30.00
14,500 sq. ft. face dressing of pointed work	0.40	0.40	0.50	0.60	0.45	0.40	0.80
15 M. ft. B. M. sheeting left in place	30.00	35.00	40.00	20.00	28.00	50.00	60.00
35 M. ft. B. M. yellow pine lumber in place in sewer outlets	50.00	50.00	55.00	60.00	40.00	67.00	55.00
4,000 lbs. wrought iron and steel in place in sewer outlets	0.07	0.04	0.05	0.05	0.06	0.13	0.06
80 tons iron and other metal work	40.00	10.00	12.00	25.00	10.00	26.00	12.00
1 M. ft. B. M. timber attached to masonry	60.00	50.00	20.00	40.00	50.00	67.00	36.00
Totals	$232,700	$241,845	$251,155	$262,900	$298,775	$305,662	$320,771

*CANALS AND STRUCTURES.—Williston, N. Dak.—One bid only was received by the U. S. Reclamation Service on Aug. 30 for construction of canals and structures in connection with the Williston Irrigation project. Henry C. De Laney, of Williston, was the bidder. The itemized prices were as follows:

BIDS RECEIVED ON AUG. 30 FOR CANALS AND STRUCTURES, WILLISTON IRRIGATION PROJECT, N. DAK.

120,000 cu yds. excavation, Class 1	$0.25
100 " " " 2	.80
50 " " " 3	1.50
250 " " " 4	15.00
7 lin. miles 10 second-foot laterals	270.00
45 " " 5 " "	225.00
20 " " waste water ditches	190.00
2,000 cu. yds. overhaul	.015
100 " puddling	.90
100 " rip-rap	3.00
50 " concrete, Class 1	8.00
1,000 " " " 2	13.00
10 M. ft. B. M. sheet piles, delivered	48.00
2,400 lin. ft. " driving	.50
1 complete bridge—Type 1, 26-ft. span	375.00
3 " bridges " 1, 18 " "	275.00
2 " " " 1, 16 " "	230.00
4 " " " 1, 14 " "	207.00
12 " " " 1, 12 " "	165.00
40 " " " 2, 8 " "	100.00
2 complete, except excavation and concrete, flumes, 80-ft. span	375.00
10,000 ft. Class 2 lumber culverts	48.00
15,000 " " 2 " turnouts	85.00
1,500 " " 1 " dressed wooden gates	80.00
300 stop planks	.75
15,000 ft. Class 1 dressed preserving lumber	15.00
100 lin. ft. terra cotta pipe culverts, 12-in., 4 ft.	3.00
100 " " " 15 " 4 "	3.50
400 " " " 18 " 6 "	4.50
Building and intake pumping station No. 2	—
" " " No. 4	—
Total	$81,867

CIVIL SERVICE EXAMINATIONS

ENGINEMEN, ETC.—Washington, D. C.—The U. S. Civil Service Commission announces the postponement to Sept. 26, of the examination scheduled for Sept. 5, to secure eligibles from which to make certification to fill the following-named vacancies in the Quartermaster's Department at Large, and similar vacancies as they may occur in any branch of the service: Engineman, $1,000 a year, Fort McKinley, Me.; Enginemen, $1,200 a year, Fort Rosecrans, Cal.; Assistant Electrician and Engineman, $1,000 a year, Philadelphia, Pa.; Engineman, $1,000 a year, Fort Warren, Mass.; Steam and Electrical Engineer, $1,000 a year, military prison, Ft. Leavenworth, Kan. As the Commission has experienced considerable difficulty in securing competent persons for the vacancies mentioned, qualified persons are urged to enter this examination. Applicants must show in their application that they have a thorough knowledge of and experience with boilers, engines, steam pumps, dynamos, switch boards, and storage batteries, and ability to read and test watt meters, and to care for and make slight repairs to arc lamps, pole lines, house wiring and electric lighting fixtures.

Age limit, 20 years or over on the date of the examination. Application Form 1003.

SCIENTIFIC ASSISTANT.—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on Oct. 17 and succeeding days to fill vacancies as they may occur in the position of Scientific Assistant in the Department of Agriculture, at salaries ranging from $840 to $1,200 a year, depending upon the qualifications and experience of the appointees. Attention is invited to the fact that it is especially desired to secure applications for the major optional subjects—analytical chemistry (methods for the detection of food adulteration), plant pathology, and soil physics. Age limit, 20 years or over. The examination will comprise a basis, consisting of obligatory subjects, and certain optional subjects. Each applicant will be required to pass in the basis, or obligatory subjects, before any rating will be given in the optional subjects. This examination is open to all citizens of the United States who comply with the requirements. Application Form 1312. No application will be accepted unless properly executed and filed with the Commission at Washington. In applying for this examination the exact title as given at the head of this announcement should be used in the application, and applicants should, in answer to question 1 of the application, definitely indicate in what optional subjects they desire to be examined.

On Sept. 26 and 27 an examination will be held by the U. S. Civil Service Commission to fill several vacancies in the position of Analytical Chemist, qualified in methods for the detection of food adulteration, at $1,200 a year, each, and one or more vacancies in the position of Scientific Assistant in plant pathology, at $1,000 a year each, in the Department of Agriculture, and similar vacancies as they may occur in that Department. Competitors in this examination may, if they desire, take the examination to be held on Oct. 17-18, upon filing new applications in due time, this examination being held in view of the urgent need of eligibles with the qualifications indicated. Age limit, 20 to 40 years. This examination will comprise a basis, consisting of obligatory subjects and the major optional subjects of analytical chemistry, methods for the detection of food adulteration, and plant pathology, applicants being required to take but one major optional subject. Application Form 1312.

TRADE PUBLICATIONS.

MINING MACHINERY.—Hendrie & Bolthoff Mfg. & Supply Co., Denver, Colo. Paper; 7¾ × 10¾ ins.; pp. 20; illustrated.

This bulletin deals with a variety of machinery which the company manufactures or for which it has the agency—mine hoists, ore crushers and concentrators, gas engines, electrical apparatus, etc.

OILING SYSTEMS.—The J. H. Siegrist Co., New York City. Paper; 9 × 14 ins.; p. 1; illustrated.

The Siegrist "Admiralty" oiling system delivers both cylinder and engine oil from one central point in a power plant to all the machinery requiring lubrication. An illustration shows an oiling table in operation.

FIRE EXTINGUISHERS.—H. W. Johns-Manville Co., New York City. Paper; 3½ × 6 ins.; pp. 8; illustrated.

The Manville dry chemical fire extinguisher is described and illustrated in this pamphlet; directions for use and list prices are given also. A special size is made for automobiles.

REINFORCING BARS.—Expanded Metal & Corrugated Bar Co., St. Louis, Mo. Paper; 6¾ × 5 ins.; pp. 24; illustrated.

The comparative merits of plain bars and corrugated bars for use in reinforcing concrete are discussed in this pamphlet. Illustrations show corrugated bars and expanded metal, and facsimile letters testify to their good qualities.

STEAM METERS.—Sargent Steam Meter Co., Chicago, Ill. Paper; 3½ × 6¼ ins.; pp. 16; illustrated.

The Sargent steam meter indicates the number of pounds of steam flowing through it irrespective of the pressure. It may be variously used for testing engines where surface condensers are unavailable for testing the capacity of boilers and for measuring the amount of steam used in each department of industrial plants. It may be used to indicate the horse-power of an engine or to determine the cost of evaporating a pound of coal. Descriptions and dimensions of the meter are given in the pamphlet, together with testimonial letters.

For other Proposal Advertisements see pages 51, 52, 53, 54, of Advertisements and Construction News page 104.

BUILDING TESTING PLANT AND LAYING SEWERS.

Baltimore, Md.

Sealed, separate proposals indorsed "Proposal for Building Testing Plant," "Proposal for Building Laboratory," "Proposal for Laying Sewers," addressed to the Board of Awards of Baltimore City, will be received at the office of Harry F. Hooper, Esq., City Register, City Hall, Baltimore, Md., until 11 a. m., Wednesday, October 3d, 1906, for Building Testing Plant, Laboratory and Laying Sewers, as shown on plans on file in the office of the Chief Engineer of the Commission.

Specifications and plans can be obtained upon application at the office of the Sewerage Commission, Room 904 American Building, Baltimore, Md., on and after the 18th day of September, 1906.

A certified check for $500.00, made payable to the order of the Mayor and City Council of Baltimore, must accompany each of said three proposals.

The successful bidder in each case will be required to give bond and comply with the City Charter respecting contracts.

The Board reserves the right to reject any and all bids.

By order of the Sewerage Commission.

WM. D. PLATT,
Chairman, pro tem.

HARRY W. RODGERS, Secretary.

Approved.

E. CLAY TIMANUS,
President Board of Awards. 12-1t

DRAINAGE CONTRACT.

Willow Branch, Ill.

Public notice is hereby given that the Drainage Commissioners of Union Drainage District No. 2, Towns of Willow Branch and Goose Creek, County of Piatt, State of Illinois, will receive sealed bids until noon, October 10, A. D., 1906, for the furnishing of materials and doing work of underdraining the main ditch of said Drainage District in accordance with plans and profile for same on file in the office of the Clerk of said District at Cisco, Illinois, where the same may be seen. Bids will be received and considered on materials alone; on the work alone and also on both furnishing materials and doing the work.

Such materials being approximately as follows:

All tile to be hard burned, vitrified, salt glazed drain tile of the following sizes: 7,842 ft. of 24-inch; 4,000 ft. of 22-inch; 4,100 ft. of 20-inch; 2,700 ft. of 18-inch; 1,000 ft. of 16-inch; 1,000 ft. of 14-inch; 1,277 ft. of 12-inch.

The work consisting of p[illegible] laying said tile at the grade and in a[illegible]nce with the above-mentioned profile.

Any bid accepted will be c[illegible]onal on the successful bidder entering [illegible] a satisfactory contract to perform his [illegible] and giving bond to secure the perform[illegible] of his contract, with sureties to be [illegible]ved by said Drainage Commissioners, [illegible] in ten days from the acceptance of such [illegible].

Plans and profile may also [illegible]en at office of Engineer W. J. Day, Ben[illegible], Ill.

Said Drainage Commissioners [illegible]ve the right to reject any and all bids [illegible] continue such letting at their discre[illegible].

Dated at Cisco, Illinois, this 14[illegible] day of September, A. D., 1906.

JOHN C. SC[illegible]TZ,
JOHN ROYSE,
12-1t Drainage Comm[illegible]ners.

NOTICE

We are in receipt of information [illegible]tating that the date of receiving bids for the Salem and Beverly Bridge has been temporarily postponed. Advertisement in later [illegible]es is cancelled by order of

G. F. SWAIN, Engineer.

SITUATIONS OPEN

WANTED—Engineer familiar with reinforced concrete construction to act as representative for steel company manufacturing reinforcing material of extraordinary merit; must be convincing and of good address. Address "P. A. 12," Engineering News, New York. 12-1t

WANTED.—A young man, technical graduate, to assist in estimating department of prominent manufacturer of railroad supplies near New York. Opportunity for learning business and rapid advancement; state age, experience if any and salary expected. Address "S. A. 12," Engineering News, New York. 12-1t

WANTED.—Several civil engineers, technical graduates experienced in railroad construction and maintenance, field and office. Location, Southwest. Address "R. A. 12," Engineering News, New York. 12-1t

STEAM ROLLER ENGINEER wanted for new Buffalo Pitts. Good wages and steady work. HINMAN & SPROUL, Scarsdale, N. Y. 12-1t

DRAFTSMAN on electric wiring plans for buildings; also to estimate; must have some experience; permanent if satisfactory. THOMPSON-STARRETT CO., 51 Wall St., New York City. 12-tf

FOR SALE

Receiver's Sale

66 3-yd. Allison side dumps, repaired and painted; 3-ft. gage.

48 4-yd. Allison side dumps, repaired and painted; 3-ft. gage.

An Electric Light Plant, capacity 35 arc lights (can run incandescents), consisting of Westinghouse engine, Thomson-Houston dynamo. Four wagons and harness.

Lot of hydraulic jacks; track jacks. Blacksmith outfits. Steam drills with steel for same. Large assortment of all kinds of small tools.

For further particulars, address

CALVIN E. BRODHEAD, Receiver.

JOHN SHIELDS CONSTRUCTION CO.

12-tf 1 Madison Ave., New York City.

FOR SALE.

One No. 2½ Smith Concrete Mixer

rear discharge, on trucks with BOILER and STEAM ENGINE attached. Bought in November, 1905, and USED ONLY THREE MONTHS.

Can be seen at 149th St. and St. Ann's Ave., Bronx. No further use for same. Make offer.

F. V. SMITH CONTRACTING CO., 125th St. and Lexington Ave., New York. 12-1t